LINKSYS® by Cisco

cisco

Media Hub

Home Entertainment Storage

NMH Series

User Guide

About This Guide

Icon Descriptions

While reading through the User Guide you may see various icons that call attention to specific items. Below is a description of these icons:

NOTE: This check mark indicates that there is a note of interest and is something that you should pay special attention to while using the product.

WARNING: This exclamation point indicates that there is a caution or warning and it is something that could damage your property or product.

WEB: This globe icon indicates a noteworthy website address or e-mail address.

Online Resources

Website addresses in this document are listed without **http://** in front of the address because most current web browsers do not require it. If you use an older web browser, you may have to add **http://** in front of the web address.

Resource	Website
Linksys	**www.linksysbycisco.com**
Linksys International	**www.linksysbycisco.com/international**
Glossary	**www.linksysbycisco.com/glossary**
Network Security	**www.linksysbycisco.com/security**

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Chapter 1: Product Overview

Thank you for choosing the Linksys by Cisco Media Hub. One Serial-ATA (SATA) hard disk is pre-installed (except for the NMH300 model), and a second SATA hard drive bay is available if you want to add more storage space. Use the USB ports to add USB hard drives or connect USB flash drives to access your portable files. (USB hard drives may require external power supplies.) The Media Hub with LCD (NMH400 Series) offers additional features, a LCD screen with navigation pad and memory card slots.

The front panel features vary for the NMH400 and NMH300 Series. The back panel and top panel features are the same for both series.

Front Panel of the Media Hub with LCD (NMH400 Series)

LCD Screen When the Media Hub is powered on, the menu is displayed. Use it to initiate backup jobs, display status information, configure LCD screen settings, or power off the Media Hub. Refer to **Chapter 5: Use of the LCD Menu**, **page 27** for more information.

Navigation Pad Use the navigation pad to navigate the LCD menus. Press the up or down arrow to move up or down the menu choices. Press the right arrow to move to a lower menu level. Press the left arrow to move to a higher menu level.

To select a menu choice, press the **OK** button. Refer to the end of this chapter for more information.

Power Button and LED (Blue/Red) To power on the Media Hub, press the Power button. To shut down the Media Hub, press and hold the button until the Power LED starts flashing (this may take more than three seconds). A complete shutdown may take 10-15 seconds.

The Power LED flashes blue when the Media Hub boots up, installs a disk, or shuts down. It is solidly lit blue when the Media Hub is ready for use. The LED flashes either blue or red when there is an error. (Refer to **Appendix A: Troubleshooting**, **page 44**.)

NOTE: If the Media Hub must be shut down for a long period of time, Linksys recommends that you disconnect the power adapter from the Media Hub.

Secure Digital (SD) Memory Card Slot Insert the SD, MultiMediaCard (MMC), extreme Digital (xD), or Memory Stick (MS) card to access its files.

CompactFlash (CF) Memory Card Slot Insert the CF memory card to access its files.

USB The USB port connects to a USB storage device.

Front Panel of the Media Hub (NMH300 Series)

DISK 1 (Blue/Red) The DISK 1 LED serves two purposes. The LED is solidly lit blue when Disk 1 is ready for use. The LED is not lit when no disk is detected.

DISK 2 (Blue/Red) The DISK 2 LED serves two purposes. The LED is solidly lit blue when Disk 2 is ready for use. The LED is not lit when no disk is detected.

Back Up Button To initiate backup jobs specified by the backup software on your computer(s), press the **back up** button.

NOTE: The back up button only supports Windows computers installed with the backup software.

NOTE: Your computer(s) must be powered on for the jobs to run.

Power Button and LED (Blue/Red) To power on the Media Hub, press the Power button. To shut down the Media Hub, press and hold the button until the Power LED starts flashing (this may take more than three seconds). A complete shutdown may take 10-15 seconds.

The Power LED flashes blue when the Media Hub boots up, installs a disk, or shuts down. It is solidly lit blue when the Media Hub is ready for use. The LED flashes either blue or red when there is an error. (Refer to **Appendix A: Troubleshooting**, **page 44**.)

NOTE: If the Media Hub must be shut down for a long period of time, Linksys recommends that you disconnect the power adapter from the Media Hub.

USB The USB port connects to a USB storage device.

Back Panel

Both series of the Media Hub share the same back panel.

Air Vent The air vent allows air to circulate and cool the Media Hub.

WARNING: Do not block the air vent on the back of the Media Hub; otherwise, overheating can occur.

Security Slot The security slot is where you can attach a lock to protect the Media Hub from theft.

USB The USB port connects to a USB storage device.

Ethernet The 10/100/1000 Gigabit Ethernet port connects to an Ethernet network device, such as a router or switch. The LED on the left lights up green when there is a 100 Mbps connection. It lights up orange when there is a 1000 Mbps connection. It does not light up when there is a 10 Mbps connection.

The amber LED on the right flashes when there is network activity.

Reset To restore the factory default settings, press and hold the **Reset** button for three seconds. (User data on the hard disk(s) will not be affected.)

Power The Power port connects to the included power adapter.

NOTE: If the Media Hub must be shut down for a long period of time, Linksys recommends that you disconnect the power adapter from the Media Hub.

Top Panel

Both series of the Media Hub share the same top panel.

The drive bay cover protects the drive bays. Disk 1, a SATA hard disk, is pre-installed.

Button Push the button to open the drive bay cover.

Install a Second Hard Disk

NOTE: If you plan to install a second disk and mirror (RAID 1) these disks, then match disk sizes for maximum disk use. For more information about disk configuration options, refer to **Available Disk Configuration Actions**, **page 39**.

To install a second SATA hard disk, follow these instructions:

WARNING: Before you install the second hard disk, back up its existing data because all data on the second hard disk will be erased.

1. To shut down the Media Hub, press and hold the Power button until the Power LED starts flashing.
2. Disconnect the power adapter from the Power port.
3. Disconnect the Ethernet network cable from the Ethernet port.
4. To release the drive bay cover, push the button on the top panel.
5. To remove the empty drive bay, push together its clips and pull out the drive bay.
6. Make sure the screw holes of the hard disk line up with the screw holes of the drive bay. Then insert the hard disk into the drive bay.
7. Use the four included screws to secure the hard disk in its bay.
8. With the hard disk's label facing the right side of the Media Hub, slide the disk into the empty slot.
9. Push down on the hard disk to make sure the connectors are securely seated.
10. Lower the cover, and push it down to secure it.
11. Connect the Ethernet network cable to the Ethernet port.
12. Connect the power adapter to the Power port.

Replace a Hard Disk

WARNING: The replacement hard disk must be blank with no partitions; otherwise, the Media Hub cannot use it. (If you want to install a hard disk that was previously used in a Windows computer, refer to **Before You Begin**, **page 47**.)

To replace a hard disk, follow these instructions:

1. To shut down the Media Hub, press and hold the Power button until the Power LED starts flashing.

   If this step does not shut down the Media Hub, then proceed to step 2.
2. Disconnect the power adapter from the Power port.
3. Disconnect the Ethernet network cable from the Ethernet port.
4. To release the drive bay cover, push the button on the top panel.
5. To remove the hard disk you want to replace, push together the clips of its drive bay, and then pull out the drive bay.
6. Remove the hard disk from its drive bay.
7. To install the replacement hard disk, make sure the screw holes of the hard disk line up with the screw holes of the drive bay. Then insert the hard disk into the drive bay.
8. Use the four included screws to secure the hard disk in its bay.
9. With the hard disk's label facing the right side of the Media Hub, slide the drive bay back into its slot.

10. Push down on the hard disk to make sure the connectors are securely seated.

11. Lower the cover, and push it down to secure it.
12. Connect the Ethernet network cable to the Ethernet port.
13. Connect the power adapter to the Power port.

Chapter 2: Getting Started

Overview

The Media Hub is designed to store your media content in one location for convenient access. (There are additional ways to use the Media Hub; refer to **Chapter 3: Ways to Use the Media Hub**, **page 8**.)

The Media Hub offers three ways to help you copy files to the Media Hub. This chapter describes how to use the Media Importer, NTI Shadow, and the Drag-and-Drop feature. (FTP is another option for copying files.)

You can copy media files from a computer or other network device. You can also copy media files from a USB storage device directly connected to the Media Hub.

Media Importer

The Media Importer is the import tool that was automatically installed by the Setup Wizard. It supports most popular formats, such as mp3, jpg, and mpg files. Use the Media Importer to automatically find, copy, and update media files to the Media Hub. In the future, any changes made or new files added will be automatically updated on the Media Hub.

Files using the following file formats and extensions are imported:

- **Music** .mp3, .wma, .m4a, .aac, .lpcm, .ogg, .flac, .ac3, .mpa, .aif
- **Photos** .jpg, .png
- **Videos** .mpg, .mpeg, .mp4, .avi, .wmv, .divx, .3gp, .asf, .xvid, .m1v, .m4v

If the Media Importer is not installed on your computer, run the Setup Wizard on the enclosed CD-ROM and click **Connect Computers**.

Access

Double-click the system tray icon to access the Media Importer.

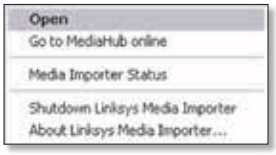
Importer System Tray Icon (Active)

Importer System Tray Icon (Closed)

If you do not see the icon, go to **Start > All Programs > Cisco Media Hub > Linksys Media Importer > Linksys Media Importer**.

System Tray Icon Menu

Right-click the system tray icon to view the following options:



Importer Icon Menu

Open Click this option to open the Media Importer.

Go to Media Hub Online Click this option to open the Media Browser.

Media Importer Status Click this option to view the status of the file transfers to the Media Hub.

Shutdown Linksys Media Importer Click this option to exit the Media Importer.

About Linksys Media Importer Click this option to view the version number of the Media Importer.

Main Menu

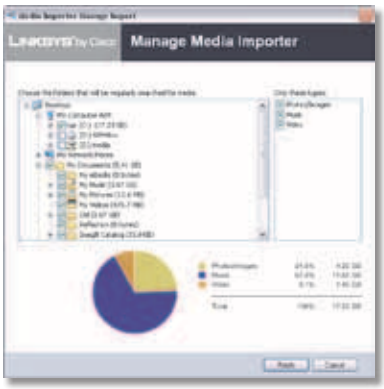
The main menu appears with the following options:

Media Importer Main Menu

Disconnect/Connect Click this option to connect or disconnect the Media Hub from the Media Importer.

Switch Media Hub Click this option to switch to a different Media Hub.

Manage Media Importer Click this option to select the folders you want to copy to the Media Hub.



Manage Media Importer

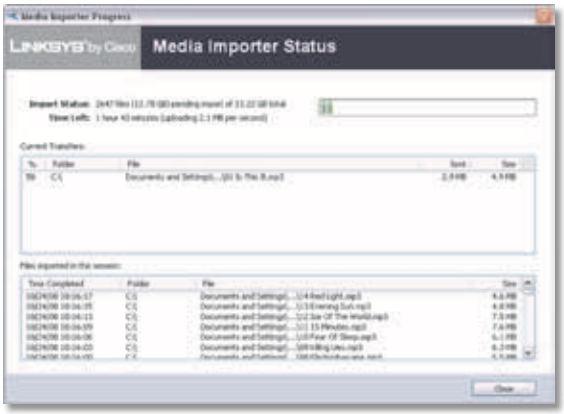
Choose the folders that will be regularly searched for media Select the appropriate folders.

Only these types Select the file types that will be copied.

The percentages and size of files by type (Photos/Images, Music, and Video) are displayed.

To exit the *Manage Media Importer* screen, click **Finish**.

Media Importer Status Click this option to view the status of the file transfers to the Media Hub.



Media Importer Status

Import Status The number and size of files being imported are displayed.

Time Left The amount of time left for the import and its speed are displayed.

Current Transfers For each file, the % (percentage), Folder, File name, Sent (size of imported data), and Size (total size of file) are displayed.

Files imported in this session For each file, the Time Completed, Folder, File name, and Size are displayed.

To exit the *Media Importer Status* screen, click **Close**.

To exit the Media Importer, click the **X** button in the upper right corner.

NTI Shadow

NTI Shadow is the backup tool you installed during the Setup Wizard. Use it to automatically copy your documents to the Media Hub for safekeeping.

If you chose not to install the backup tool, then NTI Shadow will not be available. To install NTI Shadow, run the Setup Wizard on the enclosed CD-ROM and click **Connect Computers**.

Access

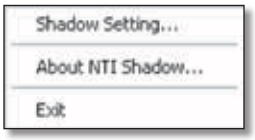
Go to **Start > All Programs > Cisco Media Hub > NTI Shadow**.

After you have accessed NTI Shadow for the first time, the system tray icon appears. Double-click the icon to access NTI Shadow.

NTI Shadow System Tray

System Tray Icon Menu

Right-click the system tray icon to view the following options:



NTI Shadow Icon Menu

Shadow Setting Click this option to open NTI Shadow.

About NTI Shadow Click this option to view the version number of NTI Shadow.

Exit Click this option to exit NTI Shadow.

Main Menu

The main menu appears.

NTI Shadow Main Menu

Create Backup Job

Create Backup Job Click this option to create a backup job. For more information, refer to **Create Backup Job**, **page 31**.

Modify Backup Job

Backup jobs are listed in this section.

Default Backup Job

The Setup Wizard creates a default backup job that backs up specific files in the Documents folder. (This folder is named "Users" in Windows Vista or "Documents and Settings" in Windows XP.)

These files use the following file formats and extensions: .doc, .xls, .pdf, .ppt, .adb, .rtf, .xml, .htm, .html, .txt, and .pst.

The backup files are saved to the \backup\<Computer_Name>\Documents folder on the Media Hub and are organized by date. You can change the default backup job created by the Setup Wizard; for example, you can back up additional folders on your computer.

Options

Select the appropriate backup job, and then click one of the following options:

Start Backup Click this option to start a backup job.

Edit Click this option to change a backup job.

Disable Click this option to disable a backup job.

Disable All Click this option to disable all backup jobs.

Delete Click this option to delete a backup job.

To exit NTI Shadow, click **Done**.

NOTE: For more information about NTI Shadow, click **Help**.

Drag-and-Drop

Use Windows Explorer and the Drag-and-Drop feature to manually copy files to the Media Hub. Drop or paste music to the music folder, photos to the photos folder, and videos to the videos folder.

Windows Access

1. To open Windows Explorer, go to **Start > Programs > Accessories > Windows Explorer**. (You can also right-click **Start** and click **Explore**.)
2. During the Setup Wizard, you created a Friendly Name or device name for the Media Hub.

   In the *Address* field of Windows Explorer, enter the Friendly Name of the Media Hub:

   \\<Friendly_Name> (Example: **\\mediahub**)

Friendly Name

3. Press **Enter**.

You can also use the drive letter or IP address to access the Media Hub.

NOTE: The drive letter is mapped directly to the media folder, which holds the music, photos, and videos sub-folders. Use the Friendly Name or IP address of the Media Hub to access the backup and media folders.

Drive Letter

During the Setup Wizard, the Media Hub was assigned a drive letter to identify it on your computer.

Windows Vista

Right-click **Start**. Click **Computer**, and then click the drive letter to access the media folder of the Media Hub.

Windows XP

Double-click **My Computer**, and then click the drive letter to access the media folder of the Media Hub.

Drive Letter Not Found

If you do not see a drive letter for the Media Hub, run the Setup Wizard on the enclosed CD and click **Connect Computers**. You can also follow these instructions:

1. To open Windows Explorer, go to **Start > Programs > Accessories > Windows Explorer**. (You can also right-click **Start** and click **Explore**.)
2. Right-click **My Computer** (Windows XP) or **Computer** (Windows Vista).
3. Select **Map Network Drive**.
4. In the *Folder* field, enter **\\<Friendly_Name>\media**.
5. Click **Finish**.

For additional information, refer to Windows Help.

NOTE: If you do not see the Media Hub, then change the Workgroup of the Media Hub to match the Workgroup of your computer (refer to **System**, **page 32**).

IP Address (For Advanced Users)

1. In the *Address* field of Windows Explorer, enter the IP address of the Media Hub:

   \\<IP_address_of_Media_Hub>

IP Address of Media Hub

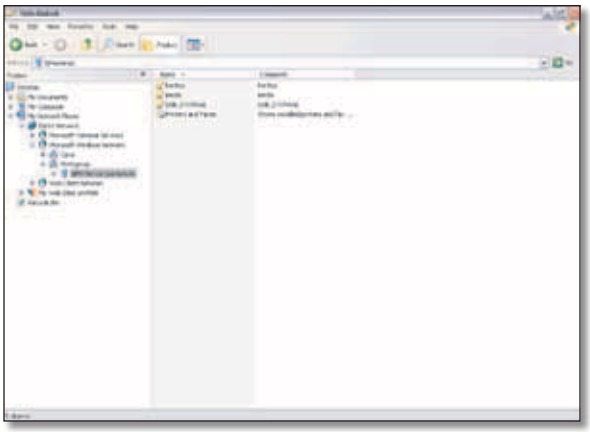
2. Then press **Enter**.

NOTE: Look up its IP address through the router's web-based utility. Refer to the router's documentation for more information.

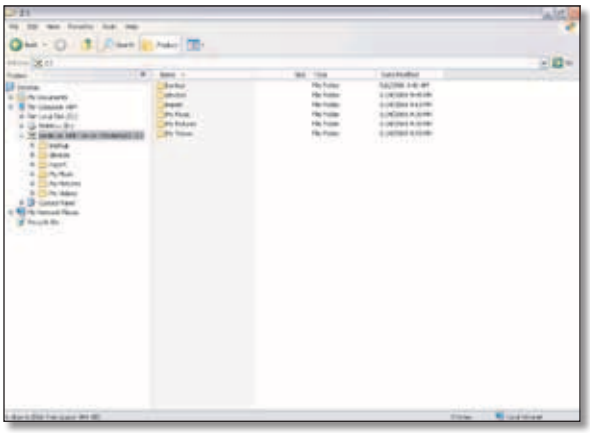
File Directory

Open the folders of the Media Hub. Use Windows Explorer to add, copy, move, or delete files.

NOTE: File transfers may take minutes or hours, depending on file transfer speeds and the number and size of your files. File transfer speeds will vary, depending on network conditions, including use of wireless.



Media Hub Accessed Through Friendly Name



Media Folder of Media Hub Accessed Through Drive Letter

Mapped Drive

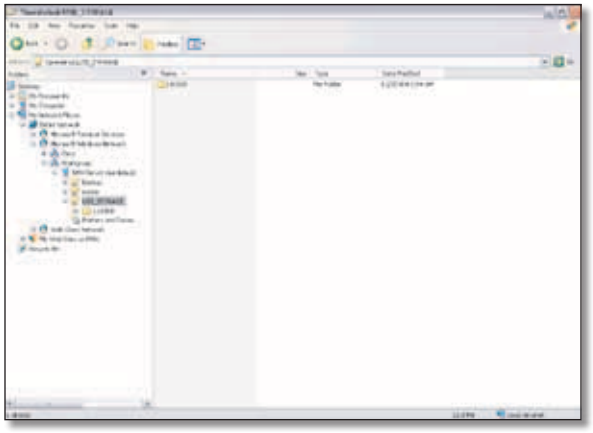
You can map any folder of the Media Hub as a separate drive.

1. To open Windows Explorer, go to **Start > Programs > Accessories > Windows Explorer**. (You can also right-click **Start** and click **Explore**.)
2. Right-click **Computer** (Windows Vista) or **My Computer** (Windows XP).
3. Select **Map Network Drive**.
4. From the *Drive* drop-down menu, select an available drive letter.
5. In the *Folder* field, enter the following: **\\<Friendly_Name_of_Media_Hub>\<folder_name>**. (Example: \\mediahub\backup.)
6. Click **Finish**.

Device Folder

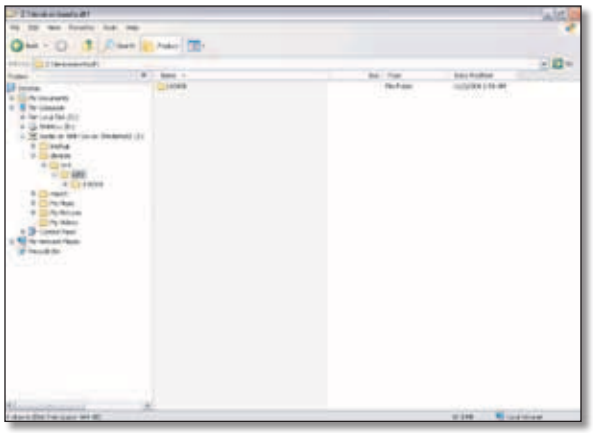
If you have a USB storage device directly connected to the Media Hub, you can access it through the Media Hub.

If you accessed the Media Hub through its Friendly Name or IP address, the name of the USB storage device is displayed. Double-click the name to access its files.



USB Storage Device Accessed Through Friendly Name

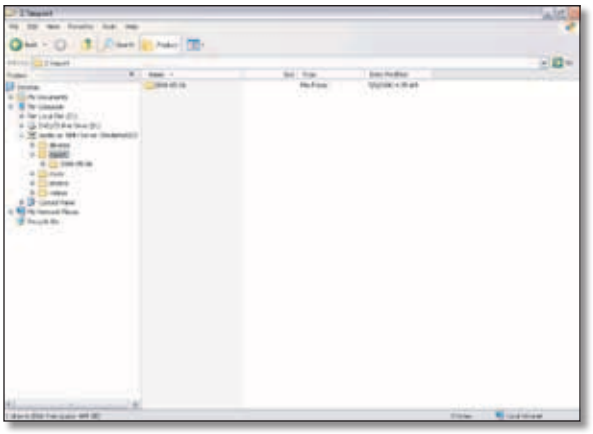
If you accessed the Media Hub through its drive letter, go to **media > devices > mnt**. The name of the USB storage device is displayed. Double-click the name to access its files.



USB Storage Device Accessed Through Drive Letter

Import Folder

The media\import folder stores the data imported from USB storage devices. The data is organized by the date of the data import.

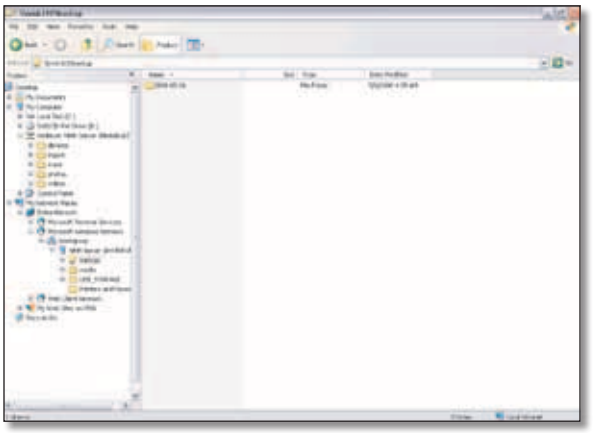


Data Imported from USB Storage Device

Backup Folder

The backup folder stores the data backed up from USB storage devices. The data is organized by the date of the data backup.

NOTE: Use the Friendly Name or IP address of the Media Hub to access the backup folder.



Data Backed Up from USB Storage Device

NOTE: You can map the backup folder as a separate drive. Refer to **Mapped Drive**, **page 8**.

Instructions to Copy Media Files to the Media Hub

Follow these guidelines:

- Copy files of a single file type together at one time. For example, copy music files at one time; do not copy music, photo, and video files at the same time.
- Copy music files to the media\music folder of the Media Hub.
- Copy photo files to the media\photos folder of the Media Hub.
- Copy video files to the media\videos folder of the Media Hub.

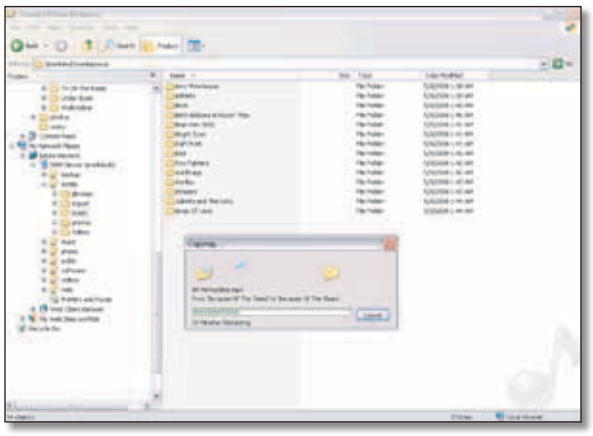
NOTE: The files you copy to the Media Hub can be accessed by all users of the Media Hub.

The following example describes the instructions to copy music files to the media\music folder of the Media Hub. Use similar instructions to copy the other types of files, photo or video.

1. In Windows Explorer, select the music files on your computer or other network device. Then go to **Edit > Copy**.

NOTE: If you have a USB storage device directly connected to the Media Hub, then its device name is displayed. Double-click the device name to access its files.

2. Open the **media\music** folder of the Media Hub.
3. Go to **Edit > Paste.**



Copy Music Files to Media Hub

The music files are copied to the media\music folder; this may take minutes or hours, depending on file transfer speeds and the number and size of your files. File transfer speeds will vary, depending on network conditions, including use of wireless.

NOTE: Additional information about Windows Explorer is available in Windows Help.

WEB: For more information about the Media Hub, refer to the rest of the User Guide. You can also visit **www.linksysbycisco.com/support**, and select the Media Hub.

Chapter 3: Ways to Use the Media Hub

Overview

This chapter describes how you can use the Media Hub:

- centralized storage
- digital media sharing
- on-demand backups
- automatic backup of your computers

Centralized Storage

The Media Hub is designed to store and share files for your network. Most people use Windows Explorer to manage the files of the Media Hub.

If the Remote Access service† is enabled, then use the File Browser for remote access of the Media Hub. (FTP is another option.) For more information about how to configure the remote access settings, refer to **Remote Access**, **page 41**.

Local Access

Media files are typically stored on different computers and other network devices throughout the house. You can copy all of the media files to the Media Hub, so your media content is stored in one location for convenient access. Plus you have backup copies of your media files.

The Media Hub offers three ways to help you copy files to the Media Hub:

- the Media Importer
- NTI Shadow
- the Drag-and-Drop feature

For more information, refer to **Chapter 2: Getting Started**, **page 5**.

Remote Access

If you enable and set up the Remote Access service, you can use the Media Hub over the Internet. For more information about how to configure the remote access settings, refer to **Remote Access**, **page 41**. Use the File Browser to add, copy, move, or delete files. Refer to **File Browser**, **page 24**.

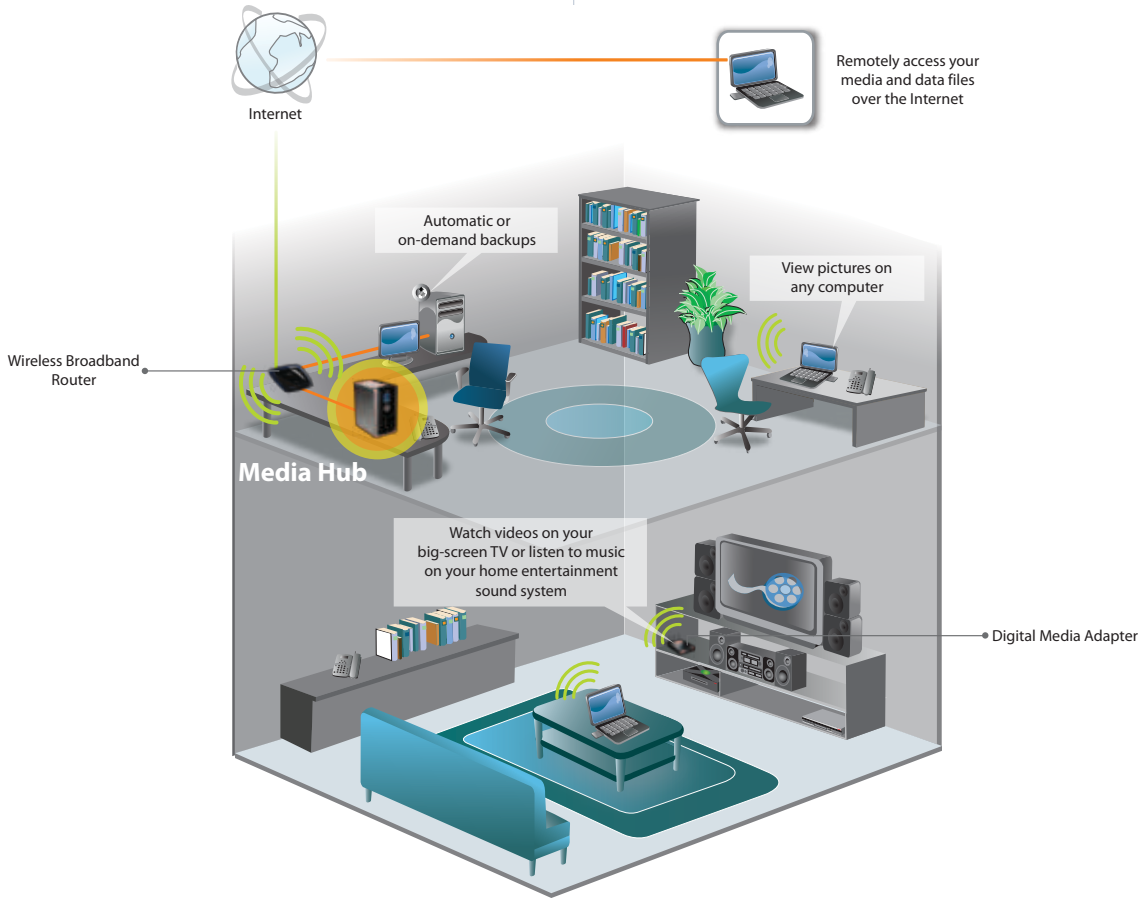

Internet
Remotely access your media and data files over the Internet
Automatic or on-demand backups
View pictures on any computer
Wireless Broadband Router
Media Hub
Watch videos on your big-screen TV or listen to music on your home entertainment sound system
Digital Media Adapter

Diagram Showing the Media Hub

†A period of Remote Access is included from date of activation. Fees may apply thereafter and are subject to change. Go to **www.linksysbycisco.com** for further information and details of terms and conditions applicable to the Remote Access service.

Digital Media Sharing

The Media Hub automatically indexes the digital media files it stores, so you can use a web browser to access them through the Media Browser.

Media Browser

Media Browser

After you have copied media files to the Media Hub, use the *Media Browser* screen to access your home entertainment:

- Play music
- View photos
- Watch videos
- Manage media files

The Media Browser also lets you access devices directly connected to the Media Hub.

USB Storage Devices

The Media Hub supports USB storage devices.

You can connect USB storage devices to the USB ports at any time. All folders and files on these devices are available while the USB storage devices are connected to the Media Hub. Refer to **Drag-and-Drop**, **page 7**.

Local Access

You can access the *Media Browser* screen from any computer using a web browser.

For more information, refer to **Chapter 4: Use of the Media Browser**, **page 15**.

UPnP AV Media Server

If you have UPnP AV-enabled (or DLNA-certified) devices in your home, then you can use the Media Hub as a media server. (This service is enabled by default—no special setup required.) Such devices include digital media adapters and other devices, such as a gaming console with a built-in media player or digital picture frame.

For example, if you have a digital media adapter that sends content to your entertainment system, then the digital media adapter can locate the Media Hub using the UPnP AV standard. Media content on the Media Hub can then be accessed and played by the digital media adapter.

By default, the Media Hub automatically indexes the digital media files it stores. You have the option of indexing media files on your local network. If you use this option, the Media Hub scans its local content and any media content stored in UPnP AV-compatible servers connected to the local network. Refer to **Media Server**, **page 42**.

iTunes Server

If you use iTunes, then you can use the Media Hub as a centralized location for your iTunes library. (This service is enabled by default—no special setup required.) Open iTunes on any of the computers on your network, and play any music file on the Media Hub.

Remote Access

If you enable and set up the Remote Access service, you can use the Media Hub over the Internet. For more information about how to configure the remote access settings, refer to **Remote Access**, **page 41**.

With the Remote Access service, you can access media files through the Media Browser. Use the File Browser to add, copy, move, or delete files. Refer to **File Browser**, **page 24**.

Here are a few examples of remote access:

View Pictures Remotely

You want to share pictures from your recent trip, but you forgot to bring the memory card you used. This is not a problem since you have set up your Media Hub for remote access.

1. On your friends' computer, open the web browser.
2. Go to **http://www.ciscomediahub.com**.
3. Enter the remote device name of your Media Hub, and then click **Go**.

NOTE: Depending on the web browser you are using, certificate or security warning screens may appear. To continue with the login process for remote access, accept the warnings. For more information, refer to **Appendix A: Troubleshooting**, **page 44**.

4. Enter the password you created during the Setup Wizard (the default is **admin**). Then click **Submit**.
5. On the *Media Browser* screen, click **Photos**. Navigate to the trip pictures.

Now you can view a slideshow of your trip pictures.

Download Videos Remotely

You want to share videos from your recent trip, but they are stored on your Media Hub. Fortunately, you can access your Media Hub over the Internet.

1. On your friends' computer, open the web browser.
2. Go to **http://www.ciscomediahub.com**.
3. Enter the remote device name of your Media Hub, and then click **Go**.

NOTE: Depending on the web browser you are using, certificate or security warning screens may appear. To continue with the login process for remote access, accept the warnings. For more information, refer to **Appendix A: Troubleshooting**, **page 44**.

4. Enter the password you created during the Setup Wizard (the default is **admin**). Then click **Submit**.
5. On the *Media Browser* screen, click **File Browser**.
6. Navigate to the trip videos. Then click the **Download to PC** option .

Now you can download the videos to your friends' computer.

NOTE: Playing video files over remote access requires the same plug-ins you have installed on your home computer. Video playback support over remote access depends on the broadband speeds of both your home connection and remote connection. Video playback should be limited to smaller video files, as larger video files may take a long time to load and play.

Upload Pictures Remotely

Your relatives have pictures from a recent family reunion. The pictures are too large in size to send to your home e-mail address, so you decide to upload them to your Media Hub.

1. On your relatives' computer, open the web browser.
2. Go to **http://www.ciscomediahub.com**.
3. Enter the remote device name of your Media Hub, and then click **Go**.

NOTE: Depending on the web browser you are using, certificate or security warning screens may appear. To continue with the login process for remote access, accept the warnings. For more information, refer to **Appendix A: Troubleshooting**, **page 44**.

4. Enter the password you created during the Setup Wizard (the default is **admin**). Then click **Submit**.
5. On the *Media Browser* screen, click **File Browser**. Then click the **Upload to Media Hub** option .

Now you can upload the photos to your Media Hub.

Setup of Remote Access Feature

When you enable and set up the remote access feature, keep the following in mind:

- Every Media Hub has a unique Remote Device Name. If the name you want to use is already taken, then try an alternate name for your Media Hub.
- For remote access, open your web browser. Go to **http://www.ciscomediahub.com**. When prompted, enter the Remote Device Name and Password of your Media Hub.

For more information, refer to **Remote Access**, **page 41**.

On-Demand Backups

Computers

NTI Shadow is the backup tool you installed during the Setup Wizard. During installation, the Setup Wizard creates a default backup job with the "On Demand" option selected. (The default backup job also runs automatically.)

If you have backup jobs with the "On Demand" option selected, then you can use the on-demand backup feature of the Media Hub; for more information, refer to **NTI Shadow**, **page 31**.

NOTE: Your computer(s) must be powered on for the jobs to run.

You can press the back up button on the front panel to initiate backup jobs.

USB Storage Devices

The Media Hub supports direct connection of USB storage devices. You can use the Media Browser to import media files; refer to **Devices**, **page 17**.

You can also use Windows Explorer to access the USB storage device. Then you can copy files to the Media Hub. Refer to **Drag-and-Drop**, **page 7**.

Automatic Backup of Computers

NTI Shadow is the backup tool you installed during the Setup Wizard. During installation, the Setup Wizard creates a default backup job, which runs automatically. (The default backup job also enables the "On Demand" option.)

Default Backup Job

The Setup Wizard creates a default backup job that backs up specific files in the My Documents folder.

These files use the following file formats and extensions: .doc, .xls, .pdf, .ppt, .adb, .rtf, .xml, .htm, .html, .txt, and .pst.

The backup files are saved to the \backup\<Computer_Name>\Documents folder on the Media Hub and are organized by date. You can change the default backup job created by the Setup Wizard; for example, you can back up additional folders on your computer.

Additional Backup Jobs

You can set up additional, automatic backup jobs. For instructions, refer to **Create Backup Job**, **page 31**.

Chapter 4: Use of the Media Browser

This chapter describes the Media Browser, which is used to access your music, photos, and videos.

How to Access the Media Hub

You can use Windows Explorer or your web browser to access the Media Hub. For more information about Windows Explorer, refer to **Drag-and-Drop**, **page 7**.

You can access the Media Browser via a web browser on a local computer connected to your router. Double-click the desktop icon that was created during the Setup Wizard. (If you enable and set up the Remote Access service, you can use the Media Hub over the Internet. Refer to **Remote Access Instructions**, **page 41**.)

Media Hub Desktop Icon

You can also follow these instructions:

1. Open your web browser.
2. In the *Address* field, enter one of the following:

   http://<Friendly_Name> (example: http://Media1)
   or
   http://<IP_address_of_Media_Hub> (example: http://192.168.1.101)

   Press **Enter**.

NOTE: The Friendly Name is the name you created during the Setup Wizard. If you did not create a Friendly Name, use the default name; enter **http://mediahub**.

NOTE: For the Media Hub (NMH300 Series), look up its IP address through the router's web-based utility. Refer to the router's documentation for more information.

NOTE: To access the Media Browser from a Mac, use one of the following:

- **http://<Friendly_Name>.local**
- **<Friendly_Name>.local**
- **http://<IP_address_of_Media_Hub>**

3. If you do not have Adobe Flash Player (version 9 or higher) installed, you will be prompted to install it. Follow the on-screen instructions. (An active Internet connection is required.)

The *Media Browser* screen of the web-based utility appears.

Media Browser

How to Use the Media Browser

Use the *Media Browser* screen to access your home entertainment:

- Play music
- View photos
- Watch videos

The Media Hub scans for music, photos, and videos. This activity may take several hours the first time the scan occurs, depending on the number of media files. Subsequent scans for updates will take less time.

The *Media Browser* screen displays thumbnail images of files found in the music, photos, videos, and import folders of the Media Hub (it will not display thumbnail images of sub-folders).

NOTE: The files you copy to the Media Hub can be accessed by all users of the Media Hub.

You have these options:

Configuration Access advanced settings through this option. Refer to **Chapter 6: Advanced Configuration**, **page 35** for more information.

Re-Scan Refresh the Media Hub's index of media files.

Search Use this option to search your files by keyword. Refer to **Search**, **page 20**.

? (link to User Guide) Access the online version of this User Guide through this option. (An active Internet connection is required.)

Media Browser > Configuration, Re-Scan, Search, ? (link to User Guide)

Music Click this option to access your music files. Refer to **Music**, **page 21**.

Photos Click this option to access your photo files. Refer to **Photos**, **page 23**.

Videos Click this option to access your video files. Refer to **Videos**, **page 25**.

File Browser Click this option to access the Media Hub's folder directory and manage your media files. Refer to **File Browser**, **page 27**.

Media Browser > Music, Photos, Videos, File Browser

Recent Music

The files with the most recent file dates are displayed. To play a music file, select it. Then click the **Play** button.

NOTE: The Media Hub's built-in music player only supports the mp3 and wma audio format. Other files will open in the default player for the files' specific file extension(s).

Media Browser > Recent Music, Photos, Videos

NOTE: The Media Hub uses an online service to retrieve metadata such as album title, artist name, album cover art. No information about your music collection is stored by the online service.

Recent Photos

The files with the most recent file dates are displayed. To view a photo, select it. Then click the **Play** button.

NOTE: The Media Hub's built-in viewer only supports the jpeg format. Other files will open in the default viewer for the files' specific file extension(s).

Recent Videos

The files with the most recent file dates are displayed. To play a video, select it. Then click the **Play** button.

NOTE: The Media Hub plays video content through a browser plug-in. Download and install your favorite media player to enable video playback within the Media Browser. Please note that media players have varying levels of support for different video formats. If the video format you want to play is not supported, you may want to search the Internet for a media player that can run on your computer and support the desired video formats. (Make sure you download the latest version.) Some suggested players include QuickTime, VLC, and Windows Media Player.

For more information about video support, visit **http://www.linksysbycisco.com/support**.

Disk Space

The amounts of used, available, and total disk space of the Media Hub are displayed.

Media Browser > Disk Space, USB

USB

The *Media Browser* screen displays the number of USB storage devices directly connected to the Media Hub. You can connect USB storage devices to the USB ports at any time. All folders and files on these devices are available while the USB storage devices are connected to the Media Hub.

NOTE: Detection of a new USB storage device may take up to one minute.

Double-click the USB icon to access status information or import media files. A new screen appears. Refer to **Devices**, **page 20**.

Devices

For the selected device, the amounts of used, available, and total storage space are displayed.

Devices

Import Media To copy the media files on the device to the Media Hub, click this option.

Importing

When the import is complete, click **OK**.

Other Devices

Click the **left** or **right arrow** button to scroll through the other devices.

Cancel To exit the *Devices* screen, click this option.

Search

Enter the keyword, and then click the **magnifying glass** button. The *Search Results* screen appears.

Search Results

Use Search Results

Search results for The keyword is displayed.

The search results are listed in a table with the following options and information:

Play in External Application To use the computer's external player, click the **Play in External Application** button . (Available for videos only.)

Play To use the Media Hub's built-in player or viewer, click the **Play** button .

Add to Playlist To add an album or song to the playlist, click the **Add to Playlist** button . (Available for music only.)

Thumbnail A thumbnail of the photo or associated image is displayed.

Name/Title The name of the file is displayed.

Type The file type is displayed.

Date The date when the file was last saved is displayed.

Size The size of the file is displayed.

Info Descriptive information is displayed.

The initial search automatically includes music, photo, and video files.

Navigation

Four icons are displayed at the top of the screen.

Home To return to the *Media Browser* screen at any time, click the **Home** icon.

Music To view your music files, click the **Music** icon.

Photos To view your photo files, click the **Photos** icon.

Videos To view your video files, click the **Videos** icon.

File Browser To access the Media Hub's folder directory and manage your media files, click the **File Browser** icon.

Music

After you click the Music option, the *Music* screen appears. View your music files by category:

- Album
- Artist
- Recent
- Song

The thumbnail view is automatically displayed. At the bottom right of the screen, the number of pages is listed. Use the slider to move from page to page.

For a list with details, click the **list view** button at the bottom left of the screen.

Music > Album (Thumbnail View)

When you are viewing any music category, select the album or song you want.

Add to Playlist To add an album or song to the playlist, click the **Add to Playlist** button.

Play To play the music, click the **Play** button.

NOTE: The Media Hub's built-in music player supports the mp3 and wma audio formats. Other files will open in the default player for the files' specific file extension(s).

A new screen opens with the name of the song displayed.

- **Pause/Play** Click the button to pause the song. Click it again to resume.
- **Previous** To move to the previous song on the playlist, click the **Previous** button.
- **Next** To move to the next song on the playlist, click the **Next** button.
- **Timer** The timer shows the duration of the song played and the duration of the rest of the song.
- **Volume** To mute the sound, click the **speaker** icon. Click it again to resume the sound. To change the volume level, use the volume slider.
- **Shuffle Playlist** To shuffle the songs on the playlist, click the **Shuffle Playlist** button.
- **Clear Playlist** To clear the playlist of all songs, click the **Clear Playlist** button.

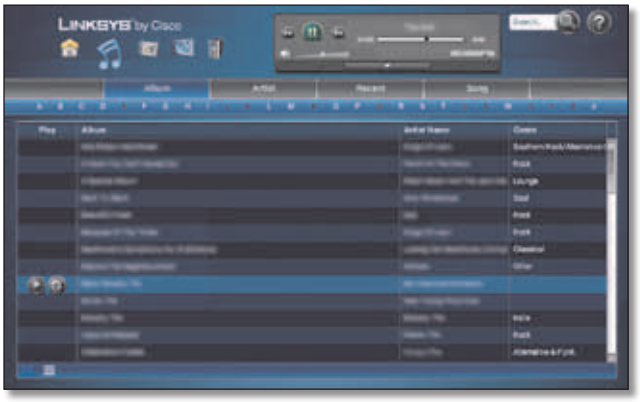
  To display the playlist, click the **down** arrow. The song title and duration of each song are displayed. To minimize the playlist, click the **up** arrow.

Music > Play

To return to the *Media Browser* screen at any time, click the **Home** icon. To switch to photos, click the **Photos** icon. To switch to videos, click the **Videos** icon. To access the Media Hub's folder directory and manage your media files, click the **File Browser** icon.

Album

The alphabet is displayed at the top of the screen. Click the letter that starts the name of the album you want.



Music > Album (List View)

Thumbnail View

Each album displays its album name and artist name.

Add to Playlist To add an album to the playlist, click the **Add to Playlist** button.

Play To play the music, click the **Play** button.

List View

The albums are listed in a table with the following options and information:

Play To play the music, click the **Play** button.

Add to Playlist To add an album to the playlist, click the **Add to Playlist** button.

Album The name of the album is displayed.

Artist Name The name of the artist is displayed.

Genre The genre of the song is displayed.

For more information about an album, double-click its thumbnail or name (list view).

Music > Album (Song Tracks View)

Album Close-Up

The names of the album and artist are displayed.

Play Entire Album To play all songs, click the **Play** button.

The song tracks are listed in order.

Play in External Application To play the music using an external player, click the **Play in External Application** button. (The external player is the default music player application on your computer.)

Play To play the music using the Media Hub's built-in player, click the **Play** button.

Add to Playlist To add a song to the playlist, click the **Add to Playlist** button.

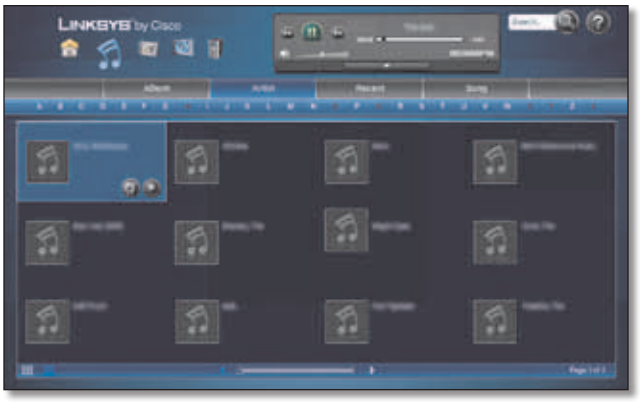
The track number is displayed. Click the **up** or **down** arrow to change the track order (ascending or descending).

Song The title of the song is displayed.

Duration The duration of the complete song is displayed.

Artist

The alphabet is displayed at the top of the screen. Click the letter that starts the name of the artist you want.



Music > Artist (Thumbnail View)

Thumbnail View

Each artist displays an album thumbnail and artist name.

Add to Playlist To add music by an artist to the playlist, click the **Add to Playlist** button.

Play To play the music, click the **Play** button.

List View

The artists are listed in a table with the following options and information:

Play To play the music, click the **Play** button.

Add to Playlist To add music by an artist to the playlist, click the **Add to Playlist** button.

Artist Name The name of the artist is displayed.

Recent

The files with the most recent file dates are displayed.

Music > Recent (List View)

Thumbnail View

Each song displays its title, artist name, and album name.

Add to Playlist To add a song to the playlist, click the **Add to Playlist** button.

Play To play the music, click the **Play** button.

List View

The songs are listed in a table with the following options and information:

Play in External Application To play the music using an external player, click the **Play in External Application** button. (The external player is the default music player application on your computer.)

Play To play the music using the Media Hub's built-in player, click the **Play** button.

Add to Playlist To add a song to the playlist, click the **Add to Playlist** button.

Song The title of the song is displayed.

Album The name of the album is displayed.

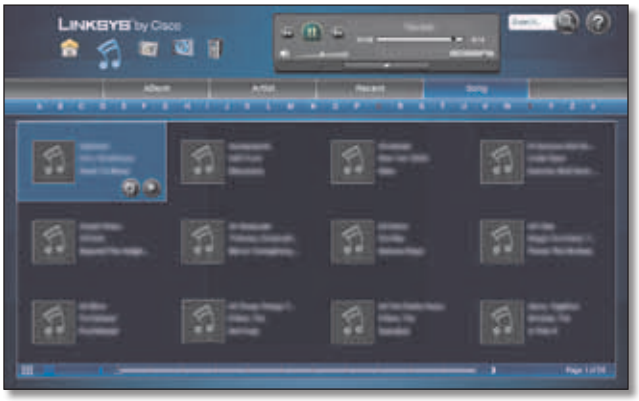
Artist Name The name of the artist is displayed.

Genre The genre of the song is displayed.

Duration The duration of the complete song is displayed.

Song

The alphabet is displayed at the top of the screen. Click the letter that starts the name of the song you want.



Music > Song (Thumbnail View)

Thumbnail View

Each song displays its title, artist name, and album name.

Add to Playlist To add a song to the playlist, click the **Add to Playlist** button.

Play To play the music, click the **Play** button.

List View

The songs are listed in a table with the following options and information:

Play in External Application To play the music using an external player, click the **Play in External Application** button. (The external player is the default music player application on your computer.)

Play To play the music using the Media Hub's built-in player, click the **Play** button.

Add to Playlist To add a song to the playlist, click the **Add to Playlist** button.

Song The title of the song is displayed.

Album The name of the album is displayed.

Artist Name The name of the artist is displayed.

Genre The genre of the song is displayed.

Duration The duration of the complete song is displayed.

Loc The location of the song is displayed.

Photos

After you click the Photos option, the *Photos* screen appears. View your photo files by category:

- Album
- Date
- Name
- Recent

The thumbnail view is automatically displayed. At the bottom right of the screen, the number of pages is listed. Use the slider to move from page to page.

For a list with details, click the **list view** button at the bottom left of the screen.

Photos > Album (Thumbnail View)

When you are viewing any photo category, select the album or photo file you want.

Play To begin a slideshow, click the **Play** button.

NOTE: The Media Hub's built-in viewer supports the jpeg format. Other files will open in the default viewer for the files' specific file extension(s).

The slideshow automatically begins. Click the screen to display thumbnails and options at the top of the screen.

Mouse over a photo to display a larger thumbnail, or click a photo to display it within your web browser.

Photos > Slideshow

Options are listed at the top of the screen and are described below starting on the left of the screen.

- **Previous Page** Click the **Previous Page** (left arrow) button to view the previous page of photos.
- **Scroll Left** Click the **scroll left** (bracket) button to scroll through the photos to the left.
- **Scroll Right** Click the **scroll right** (bracket) button to scroll through the photos to the right.
- **Next Page** Click the **Next Page** (right arrow) button to view the next page of photos.
- **Slidebar** Click and then move the **slidebar** to change the display duration; select **2**, **5**, **10**, **30**, or **60 Seconds Delay**.
- **Pause/Play** Click the button to pause the photo on display. Click it again to resume the slideshow.
- **Enter Full Screen** Click the **Enter Full Screen** button to display the slideshow on the entire screen. Click this button again or press **ESC** to exit full screen mode.
- **Close Show** Click the **Close Show** (X) button to return to the *Photos* screen.

  If the options disappear, click anywhere on the screen to make the options reappear.

To return to the *Media Browser* screen at any time, click the **Home** icon. To switch to music, click the **Music** icon. To switch to videos, click the **Videos** icon. To access the Media Hub's folder directory and manage your media files, click the **File Browser** icon.

Album

The alphabet is displayed at the top of the screen. Click the letter that starts the name of the album you want.

Photos > Album (Thumbnail View)

Thumbnail View

Each album displays its name and date.

Play To begin a slideshow, click the **Play** button.

List View

The albums are listed in a table with the following option and information:

Play To begin a slideshow, click the **Play** button.

Photo-Album The name of the album is displayed.

Date

The months are displayed at the top of the screen. Click the month of the photos you want.

Photos > Date (List View)

Thumbnail View

Each photo displays its date, name, and album name.

Play To begin a slideshow, click the **Play** button.

List View

The photos are listed in a table with the following option and information:

Play To begin a slideshow, click the **Play** button.

Date The date when the photo was last saved is displayed.

Photo The name of the photo is displayed.

Photo-Album The name of the album is displayed.

Size The size of the file is displayed.

Dimension The dimensions in width by height (in pixels) are displayed.

Loc The location of the photo is displayed.

Name

The alphabet is displayed at the top of the screen. Click the letter that starts the name of the photo you want.

Photos > Name (List View)

Thumbnail View

Each photo displays its date, name, and album name.

Play To begin a slideshow, click the **Play** button.

List View

The photos are listed in a table with the following option and information:

Play To begin a slideshow, click the **Play** button.

Date The date when the photo was last saved is displayed.

Photo The name of the photo is displayed.

Photo-Album The name of the album is displayed.

Size The size of the file is displayed.

Dimension The dimensions in width by height (in pixels) are displayed.

Loc The location of the photo is displayed.

Recent

The files with the most recent file dates are displayed.

Photos > Recent (Thumbnail View)

Thumbnail View

Each photo displays its date, name, and album name.

Play To begin a slideshow, click the **Play** button.

List View

The photos are listed in a table with the following option and information:

Play To begin a slideshow, click the **Play** button.

Date The date when the photo was last saved is displayed.

Photo The name of the photo is displayed.

Photo-Album The name of the album is displayed.

Size The size of the file is displayed.

Dimension The dimensions in width by height (in pixels) are displayed.

Videos

After you click the Videos option, the *Videos* screen appears View your video files by category:

- Name
- Recent

The thumbnail view is automatically displayed. For a list with details, click the **list view** button at the bottom of the screen.

Videos > Recent (Thumbnail View)

When you are viewing any video category, select the video file you want.

Play To play a video, click the **Play** button.

NOTE: The Media Hub plays video content through a browser plug-in. Download and install your favorite media player to enable video playback within the Media Browser. Please note that media players have varying levels of support for different video formats. If the video format you want to play is not supported, you may want to search the Internet for a media player that can run on your computer and support the desired video formats. (Make sure you download the latest version.) Some suggested players include QuickTime, VLC, and Windows Media Player.

For more information about video support, visit **http://www.linksysbycisco.com/support**.

A new screen opens.

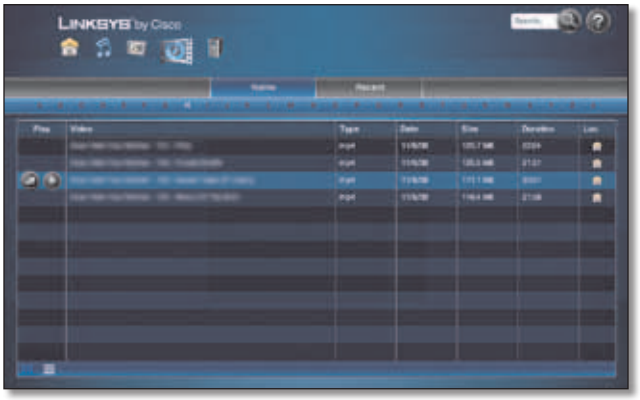
- **Slidebar** Use the video slider to move forward or backward in the video.
- **Volume** To mute the sound, click the **speaker** icon. Click it again to resume the sound. To change the volume level, use the volume slider.
- **Pause/Play** Click the button to pause the video. Click it again to resume.
- **Stop** Click the **Stop** button to stop the video.

  Click the **X** button to exit the screen.

To return to the *Media Browser* screen at any time, click the **Home** icon. To switch to music, click the **Music** icon. To switch to photos, click the **Photos** icon. To access the Media Hub's folder directory and manage your media files, click the **File Browser** icon.

Name

The alphabet is displayed at the top of the screen. Click the letter that starts the name of the video you want.



Videos > Name (List View)

Thumbnail View

Each video displays its title, duration, and size.

Play To play a video, click the **Play** button.

List View

The videos are listed in a table with the following options and information:

Play in External Application To play a video using an external player, click the **Play in External Application** button. (The external player is the default video application on your computer.)

Play To play a video using the Media Hub's built-in player, click the **Play** button.

Video The name of the video is displayed.

Type The type of video is displayed.

Date The date when the video was last saved is displayed.

Size The size of the file is displayed.

Duration The duration of the video is displayed.

Loc The location of the video is displayed.

Recent

The files with the most recent file dates are displayed.

Videos > Recent (Thumbnail View)

Thumbnail View

Each video displays its title, duration, and size.

Play To play a video, click the **Play** button.

List View

The videos are listed in a table with the following options and information:

Play in External Application To play a video using an external player, click the **Play in External Application** button. (The external player is the default video application on your computer.)

Play To play a video using the Media Hub's built-in player, click the **Play** button.

Video The name of the video is displayed.

Type The type of video is displayed.

Date The date when the video was last saved is displayed.

Size The size of the file is displayed.

Duration The duration of the video is displayed.

Loc The location of the video is displayed.

File Browser

Use the File Browser option to access the Media Hub's folder directory and manage your media files.

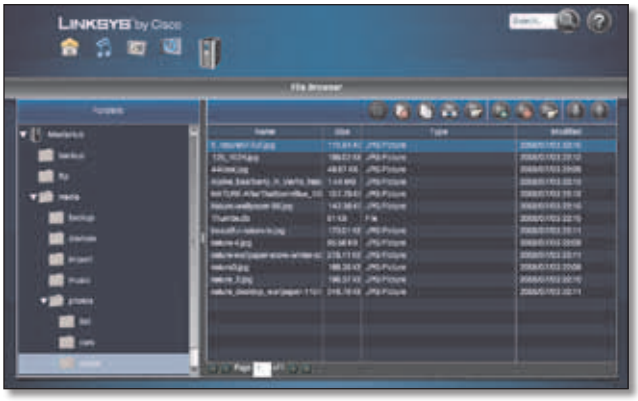
NOTE: With the File Browser, you have access to the Media Hub only. To copy files from your computer to the Media Hub, use Windows Explorer. Refer to **Drag-and-Drop**, **page 7**.

After you click the File Browser option, the password screen appears.

Password Screen

Enter the password you created during the Setup Wizard (the default is **admin**). Click **Submit**.

To open the appropriate folder, use the Directory Tree the same way you would use Windows Explorer. When you mouse over an icon, the tooltip displays its function.



File Browser > Media Hub > Media > Photos

The files are listed with the following information: Name, Size, Type of file, and Modified by date.

File and folder options are listed above the list of files.

Page options are listed below the list of files. Refer to **Page Options**, **page 29**.

File and Folder Options

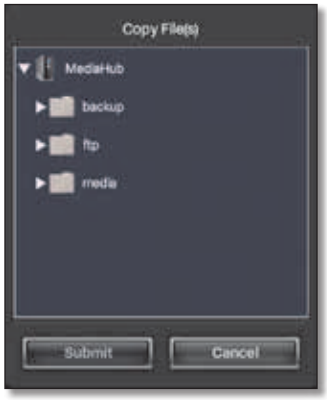
To manage your files and folders, use the following options:

Refresh file list Click this option to update the list.

Delete File Select a file, and then click this option. On the **Delete** screen, click **Yes** to delete the file.

Delete File

Copy File Select a file, and then click this option. On the *Copy File(s)* screen, select the location for the copy, and then click **Submit**.



Copy File

Move File Select a file, and then click this option. On the *Move File(s)* screen, select the location for the move, and then click **Submit**.

Move File

Rename File Select a file, and then click this option. On the *Rename File or Folder* screen, enter the new name, and then click **Submit**.

Rename File or Folder

New Folder Click this option to create a new folder. On the *New Folder* screen, enter the name, and then click **Submit**.

New Folder

Delete Folder Select a folder, and then click this option. On the **Delete** screen, click **Yes** to delete the folder.

Delete Folder

Rename Folder Select a folder, and then click this option. On the *Rename File or Folder* screen, enter the new name, and then click **Submit**.

Rename Folder

Download to PC Select a file, and then click this option. On the *Download to PC* screen, click **Download**.

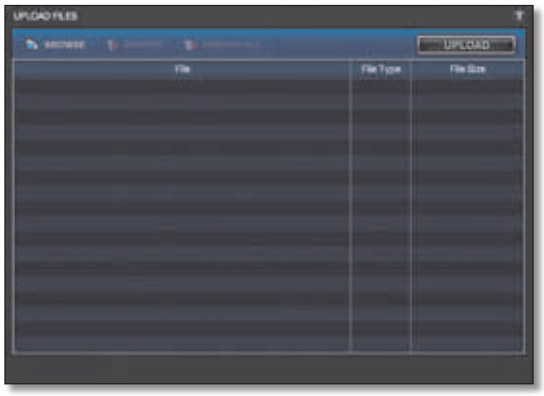
Download to PC

NOTE: The *Download to PC* screen may appear differently, depending on your web browser.

Upload to Media Hub Click this option to upload files to the Media Hub. The *Upload Files* screen appears.

- **Browse** Click this option to select files.
- **Remove** To remove a file from the upload list, select the file, and then click this option.
- **Remove All** To remove all files from the upload list, click this option.

  The upload list displays File name, File Type, and File Size for all files.
- **Upload** To upload files to the Media Hub, click this option.



Upload to Media Hub

Page Options

To display a different page of files, use one of the following options:

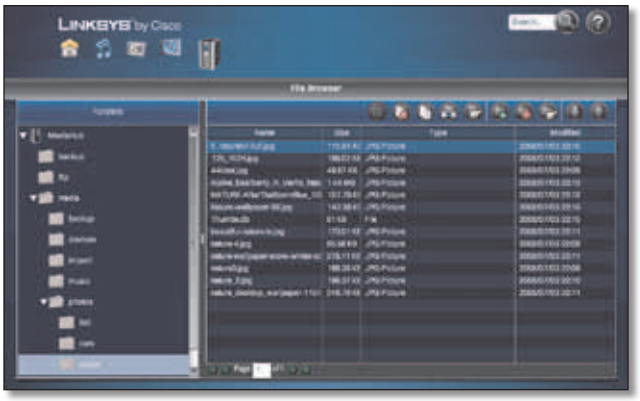
First Page Click this option to display the first page of files.

Previous Page Click this option to display the previous page of files.

Page _ of <Total_Pages> Enter the number of the page you want to display.

Next Page Click this option to display the next page of files.

Last Page Click this option to display the last page of files.



File Browser > Media Hub > Media > Photos

Chapter 5: Use of the LCD Menu

This chapter describes functions of the LCD menu, which is only featured on the Media Hub with LCD (NMH400 Series). Use the LCD menu to do the following:

- initiate backup jobs for computer(s) running the backup software (Refer to **NTI Shadow**, **page 31** for more information.)
- back up or import files from your USB storage device or memory card to the Media Hub
- display status information for the Media Hub

NOTE: For the IP address of the Media Hub, go to **Status > Network**.

- configure LCD screen settings
- power off the Media Hub

Media Hub with LCD (NMH400 Series)

How to Navigate the LCD Menu

Use the navigation pad to navigate the LCD menus. Press the up or down arrow to move up or down the menu choices. Press the right arrow to move to a lower menu level. Press the left arrow to move to a higher menu level.

The OK button has three functions:

- To select a menu choice, press the **OK** button.
- While the Media Hub is booting up, press the **OK** button to boot backup firmware from the hard drive.
- To display the main menu, press the **OK** button.

How to Access the LCD Menu

After the Media Hub is powered on and boots up, the main menu is displayed and offers these options:

Backup Select this option to initiate computer or device backup jobs.

Status Select this option to view space, usage, or network information.

Settings Select this option to configure the screensaver or backlight settings. You can also upgrade the firmware of the Media Hub.

Power Off Select this option to power off the Media Hub.

Main Menu

If the screensaver with the Friendly Name is displayed, press the **OK** button to activate the LCD menu.

Screensaver

Backup

The *Backup* screen allows you to copy files from your computers or devices to the Media Hub.

Backup

PC Backup Select this option to initiate backup jobs specified by the backup software on your computer. (Your computer must be powered on for the jobs to run.)

NOTE: The PC Backup option only supports Windows computers installed with the backup software.

PC Backup

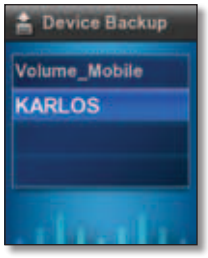
After the Media Hub sends the backup message to your computer, click **OK** to return to the *Backup* menu.

NOTE: The Setup Wizard automatically installs backup software on your computer to run backup jobs (unless you choose not to install it); refer to **NTI Shadow**, **page 31**. If you have installed the backup software, then you can use the computer backup feature of the Media Hub.

Device Backup To back up a device directly connected to the Media Hub, select **Device Backup**.

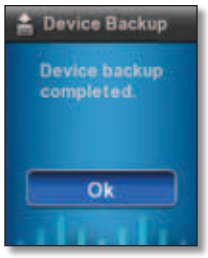
NOTE: You can directly connect USB storage devices to both series of the Media Hub. Only the Media Hub with LCD (NMH400 Series) supports direct connection of memory cards.

On the *Device Backup* screen, select the device you want to back up.



Device Backup

Copying Data



Device Backup

After all files have been copied to the Media Hub, click **OK** to return to the *Backup* menu.

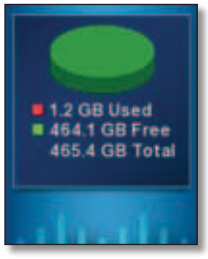
Backup data is saved to the media/backup folder, which organizes the data by the date of the data backup. Refer to **Backup Folder**, **page 9**.

Status

The *Status* screen allows you to display information about the Media Hub.

Status

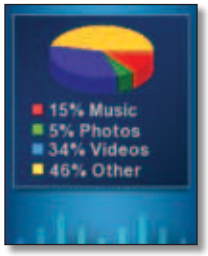
Space Select this option to view the amounts of used, available, and total memory.



Space

Press the left arrow to return to the *Status* menu.

Usage Select this option to view the percentages of the Media Hub used by Music, Photos, Videos, and Other media.



Usage

Press the left arrow to return to the *Status* menu.

Network Select this option to view the status of the Internet connection, status of the Local Area Network (LAN) connection, and local IP address of the Media Hub.

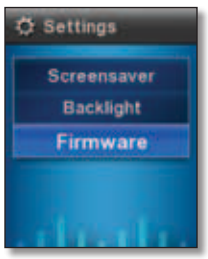
Network

- **Internet** The icon is green if there is a connection to the Internet. It is red if there is no connection.
- **LAN** The icon is green if there is a connection to the local network. It is red if there is no connection.
- **IP Address** You can use the local IP address of the Media Hub to access its browser-based utility. Refer to **Chapter 6: Advanced Configuration**, **page 35** for more information.

Press the left arrow to return to the *Status* menu.

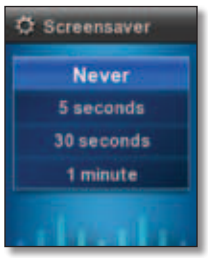
Settings

The *Settings* screen allows you to configure the LCD screen settings. You can also upgrade the firmware of the Media Hub.



Settings

Screensaver Select this option to configure the wait time before the screensaver activates.

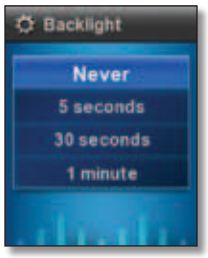


Screensaver

- **Never** If you never want to use the screensaver, select this option.
- **5 seconds** If you want the screensaver to activate after five seconds of LCD inactivity, select this option.
- **30 seconds** If you want the screensaver to activate after 30 seconds of LCD inactivity, select this option.
- **1 minute** If you want the screensaver to activate after one minute of LCD inactivity, select this option.

Press the left arrow to return to the *Settings* menu.

Backlight Select this option to configure the duration of the backlight for the LCD screen.



Backlight

- **Never** If you never want to use the backlight, select this option.
- **5 seconds** If you want the backlight to last five seconds, select this option.
- **30 seconds** If you want the backlight to last 30 seconds, select this option.
- **1 minute** If you want the backlight to last one minute, select this option.

Press the left arrow to return to the *Settings* menu.

Firmware Select this option to view the version numbers of the current and latest firmware. You can also upgrade the firmware of the Media Hub.

Firmware

- **Current version** The version number of the current firmware is displayed.
- **Latest version** The version number of the latest available firmware is displayed.
- **Update** Click **Update** to upgrade the firmware to the latest version available.

WARNING: Do not reboot or power off the Media Hub during the firmware upgrade.

Press the left arrow to return to the *Settings* menu.

Power Off

The *Power Off* screen allows you to power off the Media Hub from the front panel.

Power Off

Click **Yes** to confirm the power-off, or click **No** to cancel.

Alerts

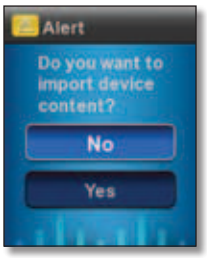
The LCD menu also displays informative alert messages. This section describes the possible messages.

New Device Alert

A new device is connected to the Media Hub. Click **OK**.

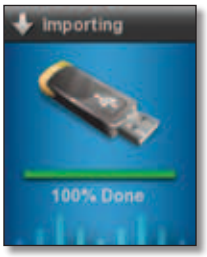
New Device Alert

On the *Alert* screen, click **Yes** to copy media files of the new device to the Media Hub, or click **No** to cancel.

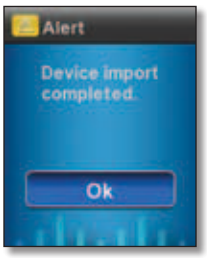


Import Device Content

If you clicked Yes, then the Media Hub will copy media files of the new device to the Media Hub.



Importing



Data Import Done

After the media files have been copied, click **OK**.

Import data is saved to the media/import folder, which organizes the data by the date of the data import. Refer to **Backup Folder**, **page 9**.

NOTE: To back up all files of the new device, refer to **Backup**, **page 30**. (The Import option only copies media files.)

Chapter 5: File Backup

Overview

This chapter describes how to back up files to the Media Hub. NTI Shadow is the backup tool you installed during the Setup Wizard. You can initiate on-demand backup jobs or set up automatic backup jobs to automatically copy your documents to the Media Hub for safekeeping.

(If you did not choose to install the backup tool, then NTI Shadow will not be available. To install NTI Shadow, run the Setup Wizard on the enclosed CD-ROM and click **Connect Computers**.)

NTI Shadow

Access

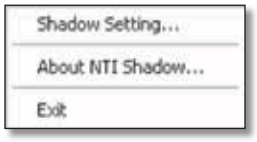
Go to **Start > All Programs > Cisco Media Hub > NTI Shadow**.

After you have accessed NTI Shadow for the first time, the system tray icon appears. Double-click the icon to access NTI Shadow.

NTI Shadow System Tray

System Tray Icon Menu

Right-click the system tray icon to view the following options:



NTI Shadow Icon Menu

Shadow Setting Click this option to open NTI Shadow.

About NTI Shadow Click this option to view the version number of NTI Shadow.

Exit Click this option to exit NTI Shadow.

Main Menu

The main menu appears.

NTI Shadow Main Menu

Create Backup Job

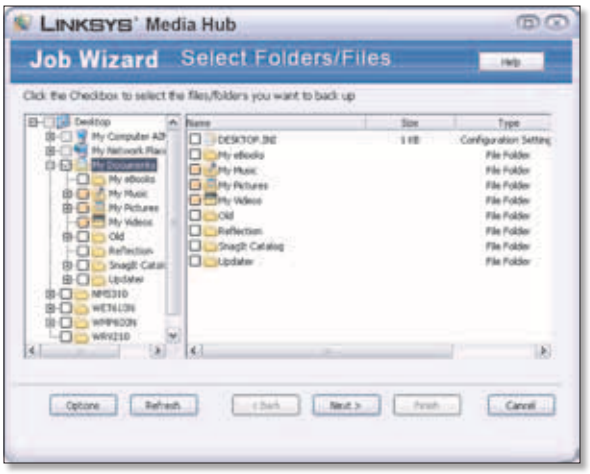
Create Backup Job Click this option to create a backup job. Follow the instructions in the section, **Create Backup Job**, **page 34**.

Modify Backup Job

Backup jobs are listed. Options are described in the section, **Modify Backup Job**, **page 36**.

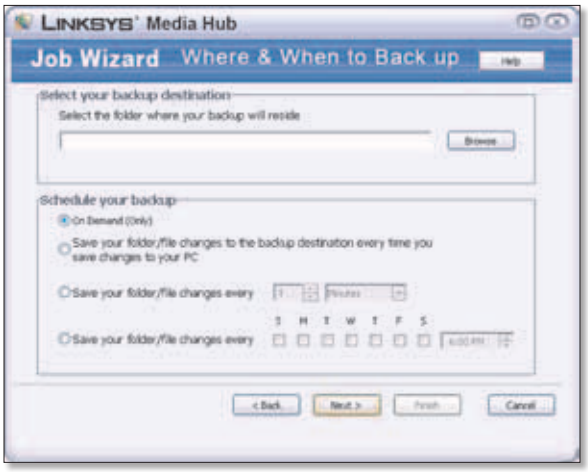
Create Backup Job

1. After you have clicked **Create Backup Job**, the *Select Folders/Files* screen appears. Select the folders and files you want to back up. Then click **Next**.



Create Backup Job

2. Click **Browse** to select the Media Hub.


LINKSYS Media Hub
Job Wizard Where & When to Back up
Select your backup destination
Select the folder where your backup will reside
Browse
Schedule your backup
On Demand (Only)
Save your folder/file changes to the backup destination every time you save changes to your PC
Save your folder/file changes every
Save your folder/file changes every
S M T W T F S
< Back
Next >
Finish
Cancel

Where & When to Back up

3. Click **Computer** or **My Computer**. Select the Media Hub, and then select the folder you want. (The backup folder is recommended.)

   To create a folder, click **Make New Folder**. Enter a name.

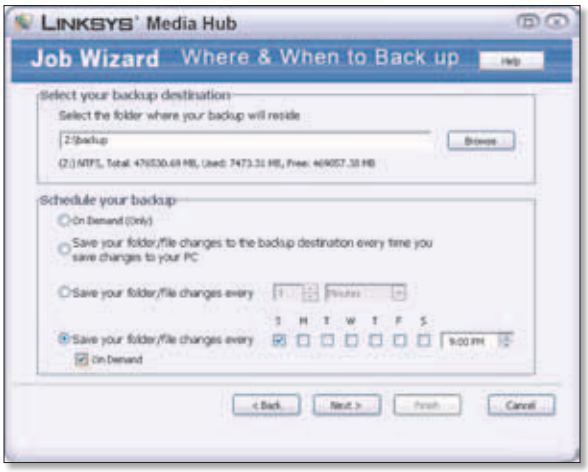
   Then click **OK**.

Browse For Folder

4. Select one of the following schedule options:

- **On Demand (Only)** Select this option to start a backup job manually, either through NTI Shadow or the Backup feature on the Media Hub (refer to **On-Demand Backup**, **page 37** for more information).
- **Save your folder/file changes to the backup destination every time you save changes to your PC** Select this option to start a backup job every time incremental changes are made to your folders or files.
- **Save your folder/file changes every** Select this option to start a backup job as often as you specify in minutes, hours, or days. Select **On Demand** if you want to start the backup job using the Backup feature on the Media Hub (refer to **On-Demand Backup**, **page 37** for more information).
- **Save your folder/file changes every** Select this option to start a backup job according to the schedule you specify. Select **On Demand** if you want to start the backup job using the Backup feature on the Media Hub (refer to **On-Demand Backup**, **page 37** for more information).

  Then click **Next**.

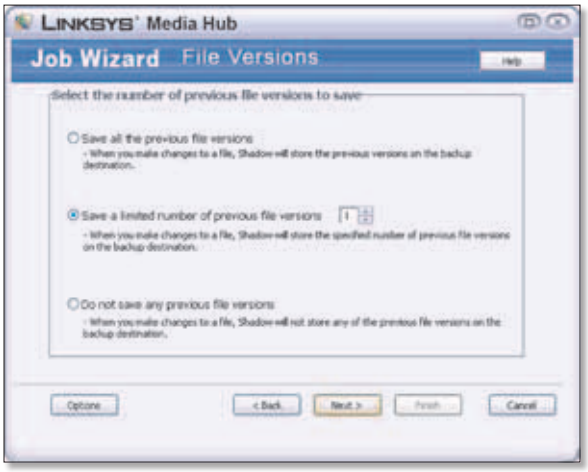

LINKSYS Media Hub
Job Wizard Where & When to Back up
Select your backup destination
Select the folder where your backup will reside
Z:\backup
Browse
Schedule your backup
On Demand (Only)
Save your folder/file changes to the backup destination every time you save changes to your PC
Save your folder/file changes every
Save your folder/file changes every
On Demand
S M T W T F S
< Back
Next >
Finish
Cancel

Where & When to Back up

5. Select one of the following save options:

- **Save all the previous file versions** Select this option if you want to save all previous versions.
- **Save a limited number of previous versions** Select this option if you want to save the number of previous versions you specify.
- **Do not save any previous file versions** Select this option if you do not want to save any previous versions.

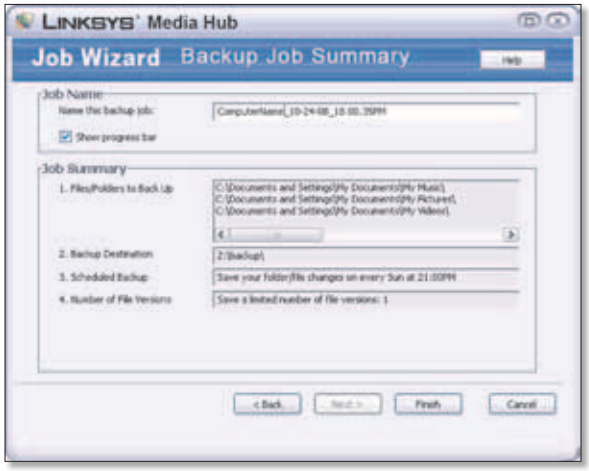
  Then click **Next**.


LINKSYS Media Hub
Job Wizard File Versions
Select the number of previous file versions to save
Save all the previous file versions
Save a limited number of previous file versions
Do not save any previous file versions
Options
< Back
Next >
Finish
Cancel

File Versions

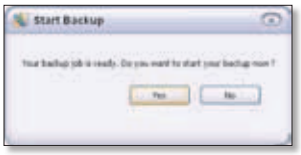
6. Review the settings. To change the settings, click **Back**.

   If the settings are correct, click **Finish** to save the backup job.



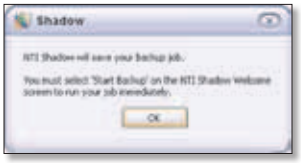
Backup Job Summary

7. To start your backup job now, click **Yes**. Otherwise, click **No**.



Start Backup

8. NTI Shadow will save your backup job. Click **OK**.



Save Your Backup Job

9. The new backup job is now listed in the Modify Backup Job section.

NTI Shadow Main Menu

Modify Backup Job

Backup jobs are listed in this section.

Default Backup Job

The Setup Wizard creates a default backup job that backs up specific files in the Documents folder. (This folder is named "Users" in Windows Vista or "Documents and Settings" in Windows XP.)

These files use the following file formats and extensions: .doc, .xls, .pdf, .ppt, .adb, .rtf, .xml, .htm, .html, .txt, and .pst.

The backup files are saved to the \backup\<Computer_Name>\Documents folder on the Media Hub and are organized by date. You can change the default backup job created by the Setup Wizard; for example, you can back up additional folders on your computer.

Options

Select the appropriate backup job, and then click one of the following options:

Start Backup Click this option to start a backup job.

Edit Click this option to change a backup job.

Disable Click this option to disable a backup job.

Disable All Click this option to disable all backup jobs.

Delete Click this option to delete a backup job.

To exit NTI Shadow, click **Done**.

NOTE: For more information about NTI Shadow, click **Help**.

Backup Jobs

On-demand and automatic backup options are available.

Before you can run a backup job, check the following:

- Your computer(s) must be powered on for the jobs to run.
- The backup software must be installed on every computer you want to back up.

Automatic Backup

For automatic backups, use the backup software to create and schedule automatic backup jobs. Make sure you set the backup destination to be the Media Hub. Refer to **Create Backup Job**, **page 34**.

On-Demand Backup

There are two ways to initiate a backup job using the Media Hub:

- back up button
- web-based utility

You can also use the backup software to initiate a backup job.

NOTE: When you set up the options of your backup job through the backup software, make sure the "On Demand" option is selected.

Follow the instructions for the method you want to use.

Back Up Button

To initiate backup jobs specified by the backup software on your computer, press the **back up** button.

Back Up Button

Web-Based Utility

1. Access the web-based utility of the Media Hub. (Refer to **Chapter 6: Advanced Configuration**, **page 35**.)
2. On the *Media Browser* screen, click **Configuration**.
3. Enter your password, and then click **Submit**.
4. Click the **Backup** tab.
5. Click **Backup** to initiate backup jobs specified by the backup software on your computer(s).

Backup

Chapter 6: Advanced Configuration

NOTE: When first installing the Media Hub, you should use the Setup Wizard on the Setup CD-ROM. If you want to configure advanced settings, use this chapter.

After setting up the Media Hub with the Setup Wizard (located on the CD-ROM), it is ready for use. If you want to change its advanced settings, use the web-based utility. This chapter describes each web page of the utility and each page's key functions. You can access the utility via a web browser on a local computer connected to your router. (If you enable and set up the Remote Access service, you can use the Media Hub over the Internet. Refer to **Remote Access Instructions**, **page 41**.)

How to Access the Web-Based Utility

To access the Media Hub from any computer using a web browser, double-click the desktop icon that was created during the Setup Wizard.

Media Hub Desktop Icon

You can also follow these instructions:

1. Open your web browser.
2. In the *Address* field, enter one of the following:

   http://<Friendly_Name>(example: http://mediahub)
   or
   http://<IP_address_of_Media_Hub>
   (example: http://192.168.1.101)

   Press **Enter**.

NOTE: The Friendly Name is the name you created during the Setup Wizard. If you did not create a Friendly Name, use the default name; enter **http://mediahub**.

NOTE: Look up its IP address through the router's web-based utility. Refer to the router's documentation for more information.

NOTE: To access the Media Browser from a Mac, use one of the following:

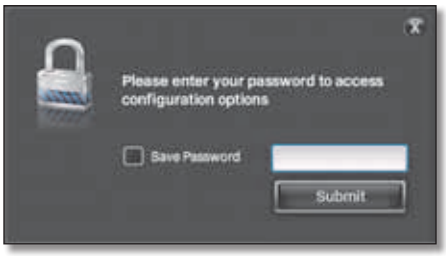
- **http://<Device_Name>.local**
- **<Device_Name>.local**
- **http://<IP_address_of_Media_Hub>**

3. If you do not have Adobe Flash Player (version 9 or higher) installed, you will be prompted to install it. Follow the on-screen instructions. (An active Internet connection is required.)
4. The *Media Browser* screen of the web-based utility appears. Click **Configuration**.

Media Browser Screen

NOTE: For more information about the *Media Browser* screen, refer to **Chapter 4: Use of the Media Browser**, **page 15**.

5. The password screen appears. Enter the password you created during the Setup Wizard (the default is **admin**). Click **Submit**.



Password Screen

The *Overview* screen appears.

Overview

Overview

On the *Overview* screen, five tabs are available. To access the *System*, *Disk*, *Backup*, or *Services* screen, click the appropriate tab. To return to the *Overview* screen, click the **Overview** tab.

The *Overview* screen displays information about the Media Hub and configuration options.

Search Use this option to search your files by keyword. Refer to **Search**, **page 17**.

? (link to User Guide) Access the online version of this User Guide through this option. (An active Internet connection is required.)

Overview > Search, ? (link to User Guide)

To return to the *Media Browser* screen at any time, click the **house** icon. To switch to photos, click the **Photos** icon. To switch to videos, click the **Videos** icon. To access the Media Hub's folder directory and manage your media files, click the **File Browser** icon.

System

The name and local IP address of the Media Hub are displayed.

Configure System Click this option to access system settings. Refer to **System**, **page 39**.

Disk

The amounts of used, available, and total disk space are displayed.

View Details Click this option to view more information. Refer to **Disk**, **page 42**.

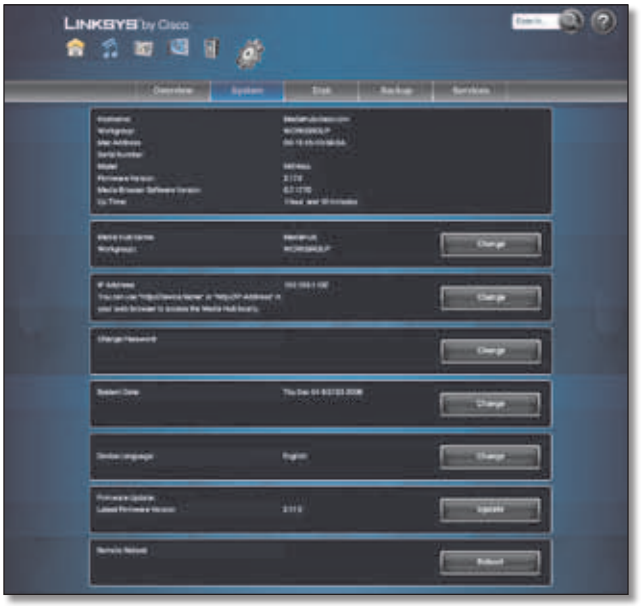
Services

The Media Hub supports Remote Access, Windows File Sharing, Media Server, iTunes Server, and FTP Server.

Configure Services Click this option to access service settings. Refer to **Services**, **page 44**.

System

Configure the system and network settings. You can also upgrade the Media Hub's firmware or remotely reboot it.



System

Hostname The hostname of the Media Hub is displayed.

Workgroup The workgroup name of the Media Hub is displayed.

MAC Address The MAC address of the Media Hub is displayed.

Serial Number The serial number of the Media Hub is displayed.

Model The model number of the Media Hub is displayed.

Firmware Version The version number of the firmware is displayed.

Media Browser Software Version The version number of the Media Browser software is displayed.

Up Time The number of minutes the Media Hub has been running is displayed.

Media Hub Name The name of the Media Hub is displayed.

Workgroup The name of the workgroup is displayed.

Change Click this option to change the name and/or workgroup.

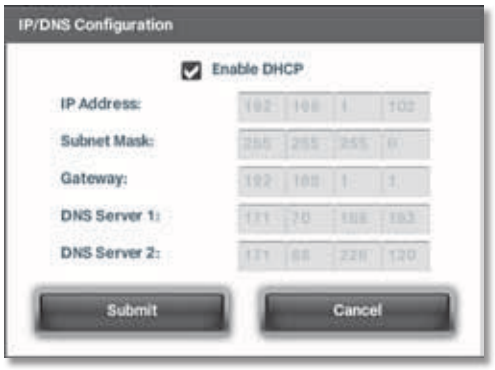
Change System Name

- **Media Hub Name** Enter the new name.
- **Workgroup** Enter the new workgroup name.

  Click **Submit** to save your changes, or click **Cancel** to cancel your changes.

IP Address The local IP address of the Media Hub is displayed.

Change Click this option to change the network settings.



IP/DNS Configuration

- **Enable DHCP** If you want to allow your network router to assign a dynamic IP address to the Media Hub, select this option. (It is enabled by default.)

  If you disable the DHCP server feature, then you configure static network settings:

- **IP Address** Enter the local IP address you want to assign to the Media Hub.

NOTE: If you change the IP address, you may have to re-assign the drive letter to the Media Hub. Run the Setup Wizard on the enclosed CD-ROM (click **Connect Computers**), or refer to Windows Help for instructions on how to assign a drive letter to the Media Hub.

- **Subnet Mask** Enter the subnet mask of the Media Hub.
- **Gateway** Enter the IP address of the gateway.
- **DNS Server 1** Enter the IP address of the DNS server.
- **DNS Server 2** Enter the IP address of the backup DNS server.

  Click **Submit** to save your changes, or click **Cancel** to cancel your changes.

Change Password You can change the login password for the web-based utility.

Change Click this option to change the password.

Change Password

- **Current Password** Enter the current password.
- **New Password** Enter the new password.
- **Retype New Password** Enter the new password again to confirm it.

  Click **Submit** to save your change, or click **Cancel** to cancel your change.

System Date The current date and time of the Media Hub are displayed.

Change Click this option to change the date or time.

Change System Date

- **Current Media Hub Date** The current date and time are displayed.

  There are two ways to change the date, the calendar or drop-down menus.

- **Calendar** Use the arrow buttons to move to the correct month. Then select the correct day.
- **Year** Select the correct year.
- **Month** Select the correct month.
- **Day** Select the correct day.
- **Hour** Select the correct hour (displayed in 24-hour format).
- **Minute** Select the correct minute.

  Click **Submit** to save your changes, or click **Cancel** to cancel your changes.

Device Language The current language of the Media Browser and web-based utility is displayed.

Change Click this option to change the language.

Select Language

- **Select Language** Select the appropriate language.

  Click **Submit** to save your change, or click **Cancel** to cancel your change.

Firmware Update: Latest Firmware Version The latest available firmware version of the Media Hub is displayed.

Update Click this option to update the firmware.

NOTE: An active Internet connection is required.

Update Firmware
A new software update for the Media Hub is now available. It is recommended that you upgrade to the latest version. While updating the firmware, the system will be unavailable and will reboot when completed.
Click Update below to begin the firmware update.
Update
Cancel

Update Firmware

The Media Hub will search for the latest version.

Click **Update** to begin the firmware update, or click **Cancel** to cancel the update.

WARNING: Do not reboot or power off the Media Hub during the firmware upgrade, which may take up to 15 minutes.

Remote Reboot If you want to reboot the Media Hub, click **Reboot**.

Confirm Reboot

Click **Yes** to reboot the Media Hub, or click **No** to cancel the reboot.

Disk

Access the disk usage information and disk configuration settings, which will vary depending on the number of disks installed.

Disk (One Hard Disk Installed)

Disk (Two Hard Disks Installed)

Disk Usage by Type

The percentages of the disk used by Music, Photos, Videos, and Other media are displayed.

Disk Usage by Space

The amounts of used, available, and total disk space are displayed.

Current Disk Configuration

Disk 1/Disk 2 (if installed)

Vendor The manufacturer of the hard disk is displayed.

Model The model number of the hard disk is displayed.

Health The status of the hard disk is displayed.

RAID Mode The disk configuration mode is displayed. Linear 1 is the single disk mode. If two hard disks are installed, the options are Linear 2 (Increase Space) and RAID 1 (Increase Protection).

RAID Status The status of the disk configuration: OK, DEGRADED, or DEAD, is displayed.

Slot A Slot A is the drive bay on the left when you view the front panel of the Media Hub. If Disk 1 is installed, its status: OK, BAD, or NEW, is displayed. If Disk 1 is not installed, the status is EMPTY.

Slot B Slot B is the drive bay on the right when you view the front panel of the Media Hub. If Disk 2 is installed, its status: OK, BAD, or NEW, is displayed. If Disk 2 is not installed, the status is EMPTY.

Available Disk Configuration Actions

If one disk is installed, then only the Revert to single disk option is available.

If two disks are installed, then two options for disk configuration, Increase Space and Increase Protection, are available. Increase Protection: RAID 1 helps protect data. Increase Storage: Linear 2 increases the amount of available storage. Linksys recommends Increase Protection: RAID 1 for most users. (To install a second hard disk, refer to **Install a Second Hard Disk**, **page 3**.)

? Disk Configuration Help Click this option to access the following:

- **Overview** View general information about disk configuration.
- **Add/Replace Drive** Follow the instructions to add or replace a disk.
- **Configuration** View information about the available disk configuration options.
- **Recovery** Follow the instructions if a disk fails.

NOTE: Linksys does not support data recovery after hard disk failure.

? Increase Space (available only for two installed disks) To maximize storage space, click this option, also known as Linear 2 mode. Total capacity is equal to the capacity of the two hard disks. For more information, click the **?** icon.

When prompted to confirm the new disk configuration, click **Yes** to continue, or click **No** to cancel.

WARNING: For the Increase Space: Linear 2 mode, if one of the two hard disks fails, then all data will be lost.

Before you click this option, review the following:

- The Media Hub is designed to maintain existing data during disk configuration; however, Linksys recommends that you back up its data to your computer or an external hard disk before you continue.
- When you set the Media Hub to the Increase Space: Linear 2 mode, the Media Hub will be unavailable for approximately 15 minutes and then automatically reboot.
- Do not manually reboot or power off the Media Hub during this time.
- After reboot, available disk space will increase to the total size of both hard disks.

? Increase Protection (available only for two installed disks) To help enhance data reliability, click this option, also known as RAID 1 mode. Disk 2 holds a copy of the data on Disk 1. For more information, click the **?** icon.

When prompted to confirm the new disk configuration, click **Yes** to continue, or click **No** to cancel.

NOTE: For the Increase Protection: RAID 1 mode, Disk 2 must be equal to or larger in size than Disk 1. If one disk is smaller, only the smaller size will be used for this mode.

Before you click this option, review the following:

- The Media Hub is designed to maintain existing data during disk configuration; however, Linksys recommends that you back up its data to your computer or an external hard disk before you continue.
- When you set the Media Hub to the Increase Protection: RAID 1 mode, the Media Hub will be unavailable for approximately 15 minutes and then automatically reboot.
- After reboot, the Media Hub will synchronize the data on the two disks.
- Depending on disk size, disk synchronization may take from several minutes to several hours. Synchronization progress can be viewed from the *Disk* screen. Rebooting or removing power from the Media Hub during this time is not recommended.

NOTE: You may use the Media Hub during disk synchronization; however, it will perform at slower speeds.

- After configuration, available disk space will be the size of Disk 1, and your data will be more protected from damage or loss if a disk fails.

? Revert to single disk mode To reset the Media Hub to its factory default settings, click this option. All data on your hard disk will be deleted, and all configuration settings will be reset to their factory defaults. For more information, click the **?** icon.

Before you click this option, review the following:

- If the Media Hub has two disks, Linksys recommends that you remove one of the disks before continuing.
- Existing data on the Media Hub will be lost; Linksys strongly recommends that you back up its data to your computer or an external hard disk before you continue.
- Depending on disk size, configuration may take from several minutes to several hours. Do not manually reboot or power off the Media Hub during this time.
- After configuration, available disk space will be the size of your single hard disk.

Rebuild This option appears only if two disks are installed and one disk is detected as "new". To rebuild the Increase Protection: RAID 1 configuration, click this option.

Before you click this option, review the following:

- Replace the defective disk (refer to **Replace a Hard Disk, page 3**).
- Depending on disk size, disk configuration may take from several minutes to several hours. Do not manually reboot or power off the Media Hub during this time. Rebuild progress can be viewed from the *Disk* screen.

NOTE: You may use the Media Hub during configuration; however, it may will perform at slower speeds.

Backup

The Setup Wizard automatically installs a backup tool on your computer to run backup jobs (unless you choose not to install it); refer to **NTI Shadow**, **page 31**. If you have installed the backup tool, then you can use the backup feature of the Media Hub.

Backup

Backup Click **Backup** to initiate backup jobs specified by the backup software on your computer(s).

NOTE: Your computer(s) must be powered on for the jobs to run.

Services

Configure the Remote Access, Windows File Sharing, Media Server, iTunes Server, and FTP Server settings.

Services

Remote Access

Configure this feature to enable access of the Media Hub over the Internet. The status of the remote access feature and the Remote Device Name (if configured) are displayed.

NOTE: Linksys offers Remote Access service† through **www.ciscomediahub.com**.

Configure Click this option to configure this feature.

Remote Access

- **Enable Remote Access to the Media Hub** To allow remote access of the Media Hub, select this option. (It is disabled by default.)

  If you enable the remote access feature, then configure the Remote Device Name:

- **Remote Device Name** Enter the Remote Device Name you want to assign to the Media Hub. It must have between 4 to 50 characters and use only letters, numbers, and dashes. (The Remote Device Name cannot start or end with a dash.)

  If the name is already taken, you will be prompted to enter a different name.

NOTE: You can change the Remote Device Name at any time; however, the Media Hub only supports a single Remote Device Name. If you save a new Remote Device Name, then you give up the old one.

Click **Submit** to save your changes, or click **Cancel** to cancel your changes.

The Remote Access service will be available in approximately two to five minutes.

Remote Access Instructions

1. Open the web browser of the computer you are using.
2. In the *Address* field, enter this address: **http://www.ciscomediahub.com**

   Press **Enter**.

†A period of Remote Access is included from date of activation. Fees may apply thereafter and are subject to change. Go to **www.linksysbycisco.com** for further information and details of terms and conditions applicable to the Remote Access service.

3. Enter the Remote Device Name of the Media Hub, and then click **Go**.

NOTE: Depending on the web browser you are using, certificate or security warning screens may appear. To continue with the login process for remote access, accept the warnings. For more information, refer to **Appendix A: Troubleshooting**, **page 44**.

Enter Remote Device Name

4. Enter the password you created during the Setup Wizard (the default is **admin**).

   Click **Submit**.

Enter Password

Remote access to the Media Hub is now established.

Video Playback over Remote Access

Follow these guidelines:

- Make sure the computer you are using has the proper plug-ins installed. Playing video files over remote access requires the same plug-ins you have installed on your home computer.
- Video playback should be limited to smaller video files, as larger video files may take a long time to load and play. The maximum video download size is 50 MB.

NOTE: Video playback support over remote access depends on the broadband speeds of both your home connection and remote connection.

Windows File Sharing

The Media Hub uses the Windows File Sharing feature to share files with Windows computers. The status of this feature is displayed. By default, it is enabled.

Disable Click this option to disable this feature.

The shared folders are listed with the following information: Name, Description, Type, and Status.

Media Server

The Media Server feature allows the Media Hub to index media files (like a library catalog or database). The status of this feature is displayed. By default, it is enabled.

If you have UPnP AV-enabled (or DLNA-certified) devices in your home, then you can use the Media Hub as a media server. Such devices include digital media adapters and other devices, such as a gaming console with a built-in media player or digital picture frame. For example, if you have a digital media adapter that sends content to your entertainment system, then the digital media adapter can locate the Media Hub using the UPnP AV standard. Media content on the Media Hub can then be accessed and played by the digital media adapter.

Configure Click this option to configure this feature.

Media Server

- **Find Shared Media on My Local Network** To find shared media files on your local network, select this option. The Media Hub scans its local content and any media content stored in UPnP AV-compatible servers connected to the local network. Indexing of media files on your computers is possible with Windows Media Player (WMP); however, it is not recommended. Instead, Linksys recommends that you copy media files on your computers to the Media Hub; refer to **Chapter 2: Getting Started**, **page 5** for more information.

  Click **Submit** to save your change, or click **Cancel** to cancel your change.

iTunes Server

To support access by an iTunes library of music files, the Media Hub offers an iTunes feature. The status of this feature is displayed. By default, it is enabled.

Disable Click this option to disable this feature.

FTP Server

To transfer files, the Media Hub can use File Transfer Protocol (FTP). The status of the FTP feature is displayed. By default, this feature is disabled.

NOTE: To use the FTP feature, you must enable port forwarding on your router. Configure the following options:

- **internal port number** port 21
- **IP address** IP address of the Media Hub

Enable Click this option to enable this feature.

WEB: For more information about the Media Hub, refer to the rest of the User Guide. You can also visit **www.linksysbycisco.com/support**, and select the Media Hub.

Appendix A: Troubleshooting

The power LED of the Media Hub continuously flashes blue or red.

Follow these instructions:

1. To shut down the Media Hub, press and hold the power button until the power LED starts flashing.

   If this step does not shut down the Media Hub, then proceed to step 2.
2. Disconnect the power adapter from the Power port of the Media Hub.
3. Disconnect the Ethernet network cable from the Ethernet port of the Media Hub.
4. Wait five seconds.
5. Re-connect the Ethernet network cable to the Ethernet port of the Media Hub.
6. Re-connect the power adapter to the Power port of the Media Hub.

You cannot access the Media Browser of the Media Hub.

Follow the instructions until you gain access to the Media Browser:

1. Make sure your computer is connected to the local network. Check the wireless or wired connection.
2. Make sure the Media Hub is connected to the router. Check the cable connection at both ends.
3. Double-click the desktop icon for the Media Hub (it was created during the Setup Wizard).
4. In the *Address* field of your web browser, make sure you entered the Friendly Name correctly.

   The Friendly Name is the name you created during the Setup Wizard. If you did not create a Friendly Name, use the default name; enter **http://mediahub**

NOTE: To access the Media Browser from a Mac, use one of the following:

- **http://<Friendly_Name>.local**
- **<Friendly_Name>.local**
- **http://<IP_address_of_Media_Hub>**

You have configured the Media Hub, but you do not see it displayed in Windows Explorer.

Change the Workgroup of the Media Hub to match the Workgroup of your computer. Follow these instructions:

1. Access the web-based utility of the Media Hub. (Refer to **Chapter 6: Advanced Configuration**, **page 35**.)
2. On the *Media Browser* screen, click **Configuration**.
3. Click **Configure System**.
4. For the Media Hub Name and Workgroup settings, click **Change**, and then follow the on-screen instructions.

NOTE: If you do not see a drive letter for the Media Hub, refer to **Drive Letter Not Found**, **page 7**.

You cannot access the Media Browser, or the Media Hub does not respond to commands.

Before You Begin

The Media Hub must boot up with at least one hard disk installed. If Disk 1 has been removed and replaced with a new hard disk, then the recovery procedure can be used to re-install the Media Hub.

WARNING: Before you install the new hard disk, back up its existing data because all data on the new hard disk will be erased.

Instructions for the Recovery Procedure

1. To shut down the Media Hub, press and hold the power button until the power LED starts flashing.

   If this step does not shut down the Media Hub, then proceed to step 2.
2. Disconnect the power adapter from the Power port of the Media Hub.
3. While you press and hold down the **Reset** button, re-connect the power adapter to the Power port of the Media Hub.
4. Continue to hold down the **Reset** button for ten seconds. Then release.
5. The Media Hub will undergo its recovery procedure.

WARNING: Do not reboot or power off the Media Hub during the recovery procedure.

The recovery procedure will reset the firmware to its factory version, so you may need to do a firmware upgrade when the recovery procedure is complete.

For remote access to the Media Hub, you entered its Remote Device Name at the Linksys-supported website, http://www.ciscomediahub.com, and a certificate or security warning screen appears.

Depending on the web browser you are using, certificate or security warning screens may appear. To continue with the login process for remote access, accept the warnings.

Specific instructions are provided for Internet Explorer 7.0, Internet Explorer 6.0, Firefox 3.0, and Firefox 2.0.

Internet Explorer 7.0

1. On the *Security Certificate Warning* screen, click **Continue to this website**.

Security Certificate Warning

Internet Explorer 6.0

1. On the *Security Alert* screen, click **Yes**.

Security Alert

Firefox 3.0

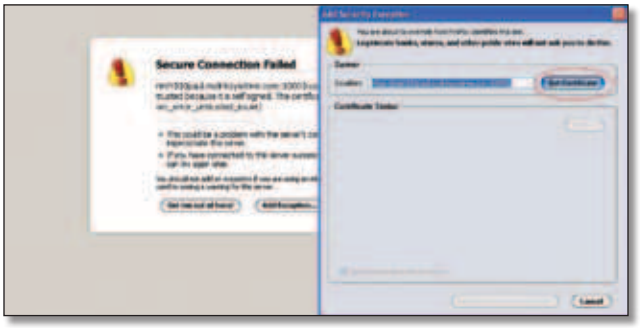
1. On the *Secure Connection Failed* screen, click **Or you can add an exception**.

Secure Connection Failed

2. Click **Add Exception**.

Add Exception

3. Click **Get Certificate**.



Get Certificate

4. Click **Confirm Security Exception**.

Confirm Security Exception

Firefox 2.0

1. On the *Website Certified by an Unknown Authority* screen, click **Accept this certificate temporarily for this session**. Then click **OK**.

Website Certified by an Unknown Authority

2. Click **OK**.

Security Error: Domain Name Mismatch

The Media Hub is using Increase Space: Linear 2 mode, and one of the Disk LEDs is not lit.

NOTE: Linksys does not support data recovery after hard disk failure.

Before You Begin

Check which hard disk is defective. In the Current RAID Setting section of the *Disk* screen, the Slot A setting displays the status of the hard disk in Slot A, which is on the left when you view the front panel of the Media Hub. The Slot B setting displays the status of the hard disk in Slot B, which is on the right.

Instructions

1. To shut down the Media Hub, press and hold the power button until the power LED starts flashing.

   If this step does not shut down the Media Hub, then proceed to step 2.
2. Disconnect the power adapter from the Power port.
3. To release the drive bay cover, push the button on the top panel.
4. To remove the defective disk, push together the clips of its drive bay, and then pull out the drive bay.
5. Remove the defective disk from its drive bay.

NOTE: Do not install a replacement hard disk at this time. The Media Hub must revert to single disk mode before you can install a second hard disk.

6. Push down on the hard disk to make sure the connectors are securely seated.
7. Lower the cover, and push it down to secure it.
8. Connect the power adapter to the Power port.
9. Access the web-based utility of the Media Hub. (Refer to **Chapter 6: Advanced Configuration**, **page 35**.)
10. On the *Media Browser* screen, click **Configuration**.
11. Enter your password, and then click **Submit**.
12. Click the **Disk** tab.
13. Click **Revert to Single Disk Mode**.

Please wait until the Media Hub automatically reboots. Then the Media Hub will be ready for use.

WARNING: When a hard disk fails in Increase Protection: Linear 2 mode, not all data may be recovered.

NOTE: If you want to install a second hard disk, then refer to **Install a Second Hard Disk**, **page 3** for instructions.

The Media Hub is using Increase Protection: RAID 1 mode. One of the hard disks has failed.

NOTE: Linksys does not support data recovery after hard disk failure.

Before You Begin

Check which hard disk is defective. In the Current RAID Setting section of the *Disk* screen, the Slot A setting displays the status of the hard disk in Slot A, which is on the left when you view the front panel of the Media Hub. The Slot B setting displays the status of the hard disk in Slot B, which is on the right.

WARNING: The replacement hard disk must be blank; otherwise, the Media Hub cannot use it.

NOTE: Although the Media Hub will work with only one disk, Linksys highly recommends that you replace the defective disk to ensure continued data protection.

Instructions

1. To shut down the Media Hub, press and hold the power button until the power LED starts flashing.

   If this step does not shut down the Media Hub, then proceed to step 2.
2. Disconnect the power adapter from the Power port.
3. To release the drive bay cover, push the button on the top panel.
4. To remove the defective disk, push together the clips of its drive bay, and then pull out the drive bay.
5. Remove the hard disk from its drive bay.

6. To install the replacement hard disk, make sure the screw holes of the hard disk line up with the screw holes of the drive bay.

   Insert the hard disk into the drive bay.

NOTE: If you are installing a low-profile or half-height disk, use the four included screws to secure the hard disk in its bay.

7. With the hard disk's label facing the right side of the Media Hub, slide the drive bay back into its slot.
8. Push down on the hard disk to make sure the connectors are securely seated.
9. Lower the cover, and push it down to secure it.
10. Connect the power adapter to the Power port.
11. Access the web-based utility of the Media Hub. (Refer to **Chapter 6: Advanced Configuration**, **page 35**.)
12. On the *Media Browser* screen, click **Configuration**.
13. Enter your password, and then click **Submit**.
14. Click the **Disk** tab.
15. Click **Rebuild**.

Please wait until the Media Hub automatically reboots. Depending on disk size, disk configuration may take from several minutes to several hours. Do not manually reboot or power off the Media Hub during this time.

NOTE: You may use the Media Hub during configuration; however, it may perform at slower speeds.

You want to install a hard disk that was previously used in a Windows computer.

The Media Hub requires a blank hard disk with no partitions.

Before You Begin

Before you remove the hard disk from the Windows computer, use the Windows Disk Management tool to delete its partitions. (Deleting a partition also deletes its data.)

NOTE: Your computer must support SATA hard disks; otherwise, this procedure will not work.

Instructions

1. Go to **Start > Settings > Control Panel**.
2. Double-click **Administrative Tools**.
3. Double-click **Computer Management**.
4. In the directory under Storage, click **Disk Management**.
5. Right-click the hard disk you want to remove. Then click **Delete Partition**.

For additional information, refer to Windows Help, and search for this phrase, "Delete Partition".

You initiated an on-demand backup job using the Media Hub and backup software, but the backup job did not run.

Check the following:

- Your computer must be powered on for the job to run.
- Open your backup software. For the options of your backup job, make sure the "On Demand" option is selected. For more information, refer to **Create Backup Job**, **page 31**.

You ran a backup job using the Media Hub and backup software, but you cannot find the backup files on the Media Hub.

- Open your backup software. For the options of your backup job, make sure the Media Hub is the backup destination (the backup folder of the Media Hub is recommended). For more information, refer to **Create Backup Job**, **page 31**.

The Media Hub does not recognize your USB storage device.

The USB storage may not have been properly removed from its previous device. Follow these instructions:

1. Disconnect the USB storage device from the Media Hub.
2. Connect the USB storage device to your computer.
3. Go through the USB safe removal process for your computer.
4. Re-connect the USB storage device to the Media Hub.

WEB: If your questions are not addressed here, refer to the Linksys website, **www.linksysbycisco.com**

Appendix B: Specifications

Model NMH300 - Media Hub

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Ports	One Power, One Gigabit Ethernet (10/100/1000), Two USB 2.0
Buttons	One Backup, One Reset One Power
LEDs	One Power, Two Disk
Drive Bays	2 SATA
Certification	DLNA 1.5
Cabling Type	UTP CAT5E or Better
UPnP able/cert	Discovery, AV
Security Features	Password for System Administration and Remote Access
Hard Disk Included	None

Environmental

Dimensions	7.80" x 4.37" x 6.61" (198 x 111 x 168 mm)
Weight	3.11 lb (1.41 kg)
Power	External 12V/5A
Certification	FCC, CE, UL
Operating Temp.	32 to 95ºF (0 to 35ºC)
Storage Temp.	-13 to 158ºF (–25 to 70ºC)
Operating Humidity	10 to 90%, Noncondensing
Storage Humidity	5 to 95%, Noncondensing

Model NMH305 - Media Hub

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Ports	One Power, One Gigabit Ethernet (10/100/1000), Two USB 2.0
Buttons	One Backup, One Reset One Power
LEDs	One Power, Two Disk
Drive Bays	2 SATA
Certification	DLNA 1.5
Cabling Type	UTP CAT5E or Better
UPnP able/cert	Discovery, AV
Security Features	Password for System Administration and Remote Access
Hard Disk Included	One 500 GB SATA

Environmental

Dimensions	7.80" x 4.37" x 6.61" (198 x 111 x 168 mm)
Weight	4.50 lb (2.04 kg)
Power	External 12V/5A
Certification	FCC, CE, UL
Operating Temp.	32 to 95ºF (0 to 35ºC)
Storage Temp.	-13 to 158ºF (–25 to 70ºC)
Operating Humidity	10 to 90%, Noncondensing
Storage Humidity	5 to 95%, Noncondensing

Model NMH405 - Media Hub with LCD

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Ports	One Power, One Gigabit Ethernet (10/100/1000), Two USB 2.0
Memory Cards Supported	CompactFlash, Memory Stick®, Memory Stick Pro®, miniSD™, SD™, xD-PictureCard™ and MultiMediaCard v3.31
Buttons	Five Navigation, One Reset, One Power
LCD	One 1.8", 176 x 220, 64K Colors
LED	One Power
Drive Bays	2 SATA
Certification	DLNA 1.5
Cabling Type	UTP CAT5E or Better
UPnP able/cert	Discovery, AV
Security Features	Password for System Administration and Remote Access
Hard Disk Included	One 500 GB SATA

Environmental

Dimensions	7.80" x 4.37" x 6.61" (198 x 111 x 168 mm)
Weight	4.61 lb (2.09 kg)
Power	External 12V/5A
Certification	FCC, CE, UL
Operating Temp.	32 to 95ºF (0 to 35ºC)
Storage Temp.	-13 to 158ºF (–25 to 70ºC)

Operating Humidity	10 to 90%, Noncondensing
Storage Humidity	5 to 95%, Noncondensing

Model NMH410 - Media Hub with LCD

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Ports	One Power, One Gigabit Ethernet (10/100/1000), Two USB 2.0
Memory Cards Supported	CompactFlash, Memory Stick®, Memory Stick Pro®, miniSD™, SD™, xD-PictureCard™ and MultiMediaCard v3.31
Buttons	Five Navigation, One Reset, One Power
LCD	One 1.8", 176 x 220, 64K Colors
LED	One Power
Drive Bays	2 SATA
Certification	DLNA 1.5
Cabling Type	UTP CAT5E or Better
UPnP able/cert	Discovery, AV
Security Features	Password for System Administration and Remote Access
Hard Disk Included	One 1 TB SATA

Environmental

Dimensions	7.80" x 4.37" x 6.61" (198 x 111 x 168 mm)
Weight	4.65 lb (2.11 kg)
Power	External 12V/5A
Certification	FCC, CE, UL
Operating Temp.	32 to 95°F (0 to 35°C)
Storage Temp.	-13 to 158°F (–25 to 70°C)
Operating Humidity	10 to 90%, Noncondensing
Storage Humidity	5 to 95%, Noncondensing

Specifications are subject to change without notice.

Appendix C: Warranty Information

Limited Warranty

Linksys warrants this Linksys hardware product against defects in materials and workmanship under normal use for the Warranty Period, which begins on the date of purchase by the original end-user purchaser and lasts for the period specified below:

- One (1) year for new product
- Ninety (90) days for refurbished product

Your exclusive remedy and Linksys' entire liability under this limited warranty will be for Linksys, at its option, to (a) repair the product with new or refurbished parts, (b) replace the product with a reasonably available equivalent new or refurbished Linksys product, or (c) refund the purchase price of the product less any rebates. Any repaired or replacement products will be warranted for the remainder of the original Warranty Period or thirty (30) days, whichever is longer. All products and parts that are replaced become the property of Linksys.

Linksys additionally warrants that any media on which the software may be provided will be free from defects in materials and workmanship under normal use for a period of ninety (90) days from the date of original purchase. Your exclusive remedy and Linksys' entire liability under this limited warranty will be for Linksys, at its option, to (a) replace the software media, or (b) refund the purchase price of the software media.

Exclusions and Limitations

This limited warranty does not apply if: (a) the product assembly seal has been removed or damaged, (b) the product has been altered or modified, except by Linksys, (c) the product damage was caused by use with non-Linksys products, (d) the product has not been installed, operated, repaired, or maintained in accordance with instructions supplied by Linksys, (e) the product has been subjected to abnormal physical or electrical stress, misuse, negligence, or accident, (f) the serial number on the Product has been altered, defaced, or removed, or (g) the product is supplied or licensed for beta, evaluation, testing or demonstration purposes for which Linksys does not charge a purchase price or license fee.

EXCEPT FOR THE LIMITED WARRANTY ON MEDIA SET FORTH ABOVE AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ALL SOFTWARE PROVIDED BY LINKSYS WITH THE PRODUCT, WHETHER FACTORY LOADED ON THE PRODUCT OR CONTAINED ON MEDIA ACCOMPANYING THE PRODUCT, IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. Without limiting the foregoing, Linksys does not warrant that the operation of the product or software will be uninterrupted or error free. Also, due to the continual development of new techniques for intruding upon and attacking networks, Linksys does not warrant that the product, software or any equipment, system or network on which the product or software is used will be free of vulnerability to intrusion or attack. The product may include or be bundled with third party software or service offerings. This limited warranty shall not apply to such third party software or service offerings. This limited warranty does not guarantee any continued availability of a third party's service for which this product's use or operation may require.

TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE WARRANTY PERIOD. ALL OTHER EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES ARE DISCLAIMED. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary by jurisdiction.

TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT WILL LINKSYS BE LIABLE FOR ANY LOST DATA, REVENUE OR PROFIT, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, REGARDLESS OF THE THEORY OF LIABILITY (INCLUDING NEGLIGENCE), ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE THE PRODUCT, SOFTWARE OR ANY SERVICES PROVIDED IN RESPECT OF SUCH PRODUCT OR SOFTWARE, EVEN IF LINKSYS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, IN NO EVENT WILL LINKSYS' LIABILITY EXCEED THE AMOUNT PAID BY YOU FOR THE PRODUCT. The foregoing limitations will apply even if any warranty or remedy provided under this limited warranty fails of its essential purpose. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Obtaining Warranty Service

If you have a question about your product or experience a problem with it, please go to **www.linksysbycisco.com/support** where you will find a variety of online support tools and information to assist you with your product. If the product proves defective during the Warranty Period, contact Linksys Technical Support for instructions on how to obtain warranty service. The telephone number for Linksys Technical Support in your area can be found in the product User Guide and at **www.linksysbycisco.com**. Have your product serial number and proof of purchase on hand when calling. A

DATED PROOF OF ORIGINAL PURCHASE IS REQUIRED TO PROCESS WARRANTY CLAIMS. If you are requested to return your product, you will be given a Return Materials Authorization (RMA) number. You are responsible for properly packaging and shipping your product to Linksys at your cost and risk. You must include the RMA number and a copy of your dated proof of original purchase when returning your product. Products received without a RMA number and dated proof of original purchase will be rejected. Do not include any other items with the product you are returning to Linksys. Defective product covered by this limited warranty will be repaired or replaced and returned to you without charge. Customers outside of the United States of America and Canada are responsible for all shipping and handling charges, custom duties, VAT and other associated taxes and charges. Repairs or replacements not covered under this limited warranty will be subject to charge at Linksys' then-current rates.

Technical Support

This limited warranty is neither a service nor a support contract. Information about Linksys' current technical support offerings and policies (including any fees for support services) can be found at **www.linksysbycisco.com/support**.

This limited warranty is governed by the laws of the jurisdiction in which the Product was purchased by you.

Please direct all inquiries to: Linksys, P.O. Box 18558, Irvine, CA 92623.

Appendix D: Regulatory Information

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product has been tested and complies with the specifications for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment or devices
- Connect the equipment to an outlet other than the receiver's
- Consult a dealer or an experienced radio/TV technician for assistance

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Safety Notices

WARNING: Do not use this product near water, for example, in a wet basement or near a swimming pool.

WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

WARNING: This product contains lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.

WARNING: Primary Lithium Coin Battery - California USE Only

This Perchlorate warning applies only to primary CR (Manganese Dioxide) Lithium coin cells sold or distributed ONLY in California, USA

"Perchlorate Material-special handling may apply. See **www.dtsc.ca.gov/hazardouswaste/perchlorate**"

Caution: To reduce the risk of fire, use only No.26 AWG or larger telecommunication line cord.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Operation is subject to the following two conditions:

1. This device may not cause interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Avis d'Industrie Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Le fonctionnement est soumis aux conditions suivantes :

1. Ce périphérique ne doit pas causer d'interférences;
2. Ce périphérique doit accepter toutes les interférences reçues, y compris celles qui risquent d'entraîner un fonctionnement indésirable.

User Information for Consumer Products Covered by EU Directive 2002/96/EC on Waste Electric and Electronic Equipment (WEEE)

This document contains important information for users with regards to the proper disposal and recycling of Linksys products. Consumers are required to comply with this notice for all electronic products bearing the following symbol:

English - Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

Български (Bulgarian) - Информация относно опазването на околната среда за потребители в Европейския съюз

Европейска директива 2002/96/ЕС изисква уредите, носещи този символ върху изделието и/или опаковката му, да не се изхвърля т с несортирани битови отпадъци. Символът обозначава, че изделието трябва да се изхвърля отделно от сметосъбирането на обикновените битови отпадъци. Ваша е отговорността този и другите електрически и електронни уреди да се изхвърлят в предварително определени от държавните или общински органи специализирани пунктове за събиране. Правилното изхвърляне и рециклиране ще спомогнат да се предотвратят евентуални вредни за околната среда и здравето на населението последствия. За по-подробна информация относно изхвърлянето на вашите стари уреди се обърнете към местните власти, службите за сметосъбиране или магазина, от който сте закупили уреда.

Čeština (Czech) - Informace o ochraně životního prostředí pro zákazníky v zemích Evropské unie

Evropská směrnice 2002/96/ES zakazuje, aby zařízení označené tímto symbolem na produktu anebo na obalu bylo likvidováno s netříděným komunálním odpadem. Tento symbol udává, že daný produkt musí být likvidován odděleně od běžného komunálního odpadu. Odpovídáte za likvidaci tohoto produktu a dalších elektrických a elektronických zařízení prostřednictvím určených sběrných míst stanovených vládou nebo místními úřady. Správná likvidace a recyklace pomáhá předcházet potenciálním negativním dopadům na životní prostředí a lidské zdraví. Podrobnější informace o likvidaci starého vybavení si laskavě vyžádejte od místních úřadů, podniku zabývajícího se likvidací komunálních odpadů nebo obchodu, kde jste produkt zakoupili.

Dansk (Danish) - Miljøinformation for kunder i EU

EU-direktiv 2002/96/EF kræver, at udstyr der bærer dette symbol på produktet og/eller emballagen ikke må bortskaffes som usorteret kommunalt affald. Symbolet betyder, at dette produkt skal bortskaffes adskilt fra det almindelige husholdningsaffald. Det er dit ansvar at bortskaffe dette og andet elektrisk og elektronisk udstyr via bestemte indsamlingssteder udpeget af staten eller de lokale myndigheder. Korrekt bortskaffelse og genvinding vil hjælpe med til at undgå mulige skader for miljøet og menneskers sundhed. Kontakt venligst de lokale myndigheder, renovationstjenesten eller den butik, hvor du har købt produktet, angående mere detaljeret information om bortskaffelse af dit gamle udstyr.

Deutsch (German) - Umweltinformation für Kunden innerhalb der Europäischen Union

Die Europäische Richtlinie 2002/96/EC verlangt, dass technische Ausrüstung, die direkt am Gerät und/oder an der Verpackung mit diesem Symbol versehen ist, nicht zusammen mit unsortiertem Gemeindeabfall entsorgt werden darf. Das Symbol weist darauf hin, dass das Produkt von regulärem Haushaltmüll getrennt entsorgt werden sollte. Es liegt in Ihrer Verantwortung, dieses Gerät und andere elektrische und elektronische Geräte über die dafür zuständigen und von der Regierung oder örtlichen Behörden dazu bestimmten Sammelstellen zu entsorgen. Ordnungsgemäßes Entsorgen und Recyceln trägt dazu bei, potentielle negative Folgen für Umwelt und die menschliche Gesundheit zu vermeiden. Wenn Sie weitere Informationen zur Entsorgung Ihrer Altgeräte benötigen, wenden Sie sich bitte an die örtlichen Behörden oder städtischen Entsorgungsdienste oder an den Händler, bei dem Sie das Produkt erworben haben.

Eesti (Estonian) - Keskkonnaalane informatsioon Euroopa Liidus asuvatele klientidele

Euroopa Liidu direktiivi 2002/96/EÜ nõuete kohaselt on seadmeid, millel on tootel või pakendil käesolev sümbol, keelatud kõrvaldada koos sorteerimata olmejäätmetega. See sümbol näitab, et toode tuleks kõrvaldada eraldi tavalistest olmejäätmevoogudest. Olete kohustatud kõrvaldama käesoleva ja ka muud elektri- ja elektroonikaseadmed riigi või kohalike ametiasutuste poolt ette nähtud kogumispunktide kaudu. Seadmete korrektne kõrvaldamine ja ringlussevõtt aitab vältida võimalikke negatiivseid tagajärgi keskkonnale ning inimeste tervisele. Vanade seadmete kõrvaldamise kohta täpsema informatsiooni saamiseks võtke palun ühendust kohalike ametiasutustega, jäätmekäitlusfirmaga või kauplusega, kust te toote ostsite.

Español (Spanish) - Información medioambiental para clientes de la Unión Europea

La Directiva 2002/96/CE de la UE exige que los equipos que lleven este símbolo en el propio aparato y/o en su embalaje no deben eliminarse junto con otros residuos urbanos no seleccionados. El símbolo indica que el producto en cuestión debe separarse de los residuos domésticos convencionales con vistas a su eliminación. Es responsabilidad suya desechar este y cualesquiera otros aparatos eléctricos y electrónicos a través de los puntos de recogida que ponen a su disposición el gobierno y las autoridades locales. Al desechar y reciclar correctamente estos aparatos estará contribuyendo a evitar posibles consecuencias negativas para el medio ambiente y la salud de las personas. Si desea obtener información más detallada sobre la eliminación segura de su aparato usado, consulte a las autoridades locales, al servicio de recogida y eliminación de residuos de su zona o pregunte en la tienda donde adquirió el producto.

Ελληνικά (Greek) - Στοιχεία περιβαλλοντικής προστασίας για πελάτες εντός της Ευρωπαϊκής Ένωσης

Σύμφωνα με την Κοινοτική Οδηγία 2002/96/EC, ο εξοπλισμός που φέρει αυτό το σύμβολο στο προϊόν ή/και τη συσκευασία του δεν πρέπει να απορρίπτεται μαζί με τα μη διαχωρισμένα αστικά απορρίμματα. Το σύμβολο υποδεικνύει ότι αυτό το προϊόν θα πρέπει να απορρίπτεται ξεχωριστά από τα συνήθη οικιακά απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος και άλλου ηλεκτρικού και ηλεκτρονικού εξοπλισμού μέσω των καθορισμένων εγκαταστάσεων συγκέντρωσης απορριμμάτων, οι οποίες ορίζονται από το κράτος ή τις αρμόδιες τοπικές αρχές. Η σωστή απόρριψη και ανακύκλωση συμβάλλει στην πρόληψη ενδεχόμενων αρνητικών επιπτώσεων στο περιβάλλον και την υγεία. Για περισσότερες πληροφορίες σχετικά με την απόρριψη του παλαιού σας εξοπλισμού, επικοινωνήστε με τις τοπικές αρχές, τις υπηρεσίες αποκομιδής απορριμμάτων ή το κατάστημα από το οποίο αγοράσατε το προϊόν.

Français (French) - Informations environnementales pour les clients de l'Union européenne

La directive européenne 2002/96/CE exige que l'équipement sur lequel est apposé ce symbole sur le produit et/ou son emballage ne soit pas jeté avec les autres ordures ménagères. Ce symbole indique que le produit doit être éliminé dans un circuit distinct de celui pour les déchets des ménages. Il est de votre responsabilité de jeter ce matériel ainsi que tout autre matériel électrique ou électronique par les moyens de collecte indiqués par le gouvernement et les pouvoirs publics des collectivités territoriales. L'élimination et le recyclage en bonne et due forme ont pour but de lutter contre l'impact néfaste potentiel de ce type de produits sur l'environnement et la santé publique. Pour plus d'informations sur le mode d'élimination de votre ancien équipement, veuillez prendre contact avec les pouvoirs publics locaux, le service de traitement des déchets, ou l'endroit où vous avez acheté le produit.

Italiano (Italian) - Informazioni relative all'ambiente per i clienti residenti nell'Unione Europea

La direttiva europea 2002/96/EC richiede che le apparecchiature contrassegnate con questo simbolo sul prodotto e/o sull'imballaggio non siano smaltite insieme ai rifiuti urbani non differenziati. Il simbolo indica che questo prodotto non deve essere smaltito insieme ai normali rifiuti domestici. È responsabilità del proprietario smaltire sia questi prodotti sia le altre apparecchiature elettriche ed elettroniche mediante le specifiche strutture di raccolta indicate dal governo o dagli enti pubblici locali. Il corretto smaltimento ed il riciclaggio aiuteranno a prevenire conseguenze potenzialmente negative per l'ambiente e per la salute dell'essere umano. Per ricevere informazioni più dettagliate circa lo smaltimento delle vecchie apparecchiature in Vostro possesso, Vi invitiamo a contattare gli enti pubblici di competenza, il servizio di smaltimento rifiuti o il negozio nel quale avete acquistato il prodotto.

Latviešu valoda (Latvian) - Ekoloģiska informācija klientiem Eiropas Savienības jurisdikcijā

Direktīvā 2002/96/EK ir prasība, ka aprīkojumu, kam pievienota zīme uz paša izstrādājuma vai uz tā iesaiņojuma, nedrīkst izmest nešķirotā veidā kopā ar komunālajiem atkritumiem (tiem, ko rada vietēji iedzīvotāji un uzņēmumi). Šī zīme nozīmē to, ka šī ierīce ir jāizmet atkritumos tā, lai tā nenonāktu kopā ar parastiem mājsaimniecības atkritumiem. Jūsu pienākums ir šo un citas elektriskas un elektroniskas ierīces izmest atkritumos, izmantojot īpašus atkritumu savākšanas veidus un līdzekļus, ko nodrošina valsts un pašvaldību iestādes. Ja izmešana atkritumos un pārstrāde tiek veikta pareizi, tad mazinās iespējamais kaitējums dabai un cilvēku veselībai. Sīkākas ziņas par novecojuša aprīkojuma izmešanu atkritumos jūs varat saņemt vietējā pašvaldībā, atkritumu savākšanas dienestā, kā arī veikalā, kur iegādājāties šo izstrādājumu.

Lietuvškai (Lithuanian) - Aplinkosaugos informacija, skirta Europos Sąjungos vartotojams

Europos direktyva 2002/96/EC numato, kad įrangos, kuri ir kurios pakuotė yra pažymėta šiuo simboliu (įveskite simbolį), negalima šalinti kartu su nerūšiuotomis komunalinėmis atliekomis. Šis simbolis rodo, kad gaminį reikia šalinti atskirai nuo bendro buitinių atliekų srauto. Jūs privalote užtikrinti, kad ši ir kita elektros ar elektroninė įranga būtų šalinama per tam tikras nacionalinės ar vietinės valdžios nustatytas atliekų rinkimo sistemas. Tinkamai šalinant ir perdirbant atliekas, bus išvengta galimos žalos aplinkai ir žmonių sveikatai. Daugiau informacijos apie jūsų senos įrangos šalinimą gali pateikti vietinės valdžios institucijos, atliekų šalinimo tarnybos arba parduotuvės, kuriose įsigijote tą gaminį.

Malti (Maltese) - Informazzjoni Ambjentali għal Klijenti fl-Unjoni Ewropea

Id-Direttiva Ewropea 2002/96/KE titlob li t-tagħmir li jkun fih is-simbolu fuq il-prodott u/jew fuq l-ippakkjar ma jistax jintrema ma' skart muniċipali li ma ġiex isseparat. Is-simbolu jindika li dan il-prodott għandu jintrema separatament minn ma' l-iskart domestiku regolari. Hija responsabbiltà tiegħek li tarmi dan it-tagħmir u kull tagħmir ieħor ta' l-elettriku u elettroniku permezz ta' faċilitajiet ta' ġbir appuntati apposta mill-gvern jew mill-awtoritajiet lokali. Ir-rimi b'mod korrett u r-riċiklaġġ jgħin jipprevjeni konsegwenzi negattivi potenzjali għall-ambjent u għas-saħħa tal-bniedem. Għal aktar informazzjoni dettaljata dwar ir-rimi tat-tagħmir antik tiegħek, jekk jogħġbok ikkuntattja lill-awtoritajiet lokali tiegħek, is-servizzi għar-rimi ta' l-iskart, jew il-ħanut minn fejn xtrajt il-prodott.

Magyar (Hungarian) - Környezetvédelmi információ az európai uniós vásárlók számára

A 2002/96/EC számú európai uniós irányelv megkívánja, hogy azokat a termékeket, amelyeken, és/vagy amelyek csomagolásán az alábbi címke megjelenik, tilos a többi szelektálatlan lakossági hulladékkal együtt kidobni. A címke azt jelöli, hogy az adott termék kidobásakor a szokványos háztartási hulladékelszállítási rendszerektõl elkülönített eljárást kell alkalmazni. Az Ön felelõssége, hogy ezt, és más elektromos és elektronikus berendezéseit a kormányzati vagy a helyi hatóságok által kijelölt gyűjtõredszereken keresztül számolja fel. A megfelelõ hulladékfeldolgozás segít a környezetre és az emberi egészségre potenciálisan ártalmas negatív hatások megelõzésében. Ha elavult berendezéseinek felszámolásához további részletes információra van szüksége, kérjük, lépjen kapcsolatba a helyi hatóságokkal, a hulladékfeldolgozási szolgálattal, vagy azzal üzlettel, ahol a terméket vásárolta.

Nederlands (Dutch) - Milieu-informatie voor klanten in de Europese Unie

De Europese Richtlijn 2002/96/EC schrijft voor dat apparatuur die is voorzien van dit symbool op het product of de verpakking, niet mag worden ingezameld met niet-gescheiden huishoudelijk afval. Dit symbool geeft aan dat het product apart moet worden ingezameld. U bent zelf verantwoordelijk voor de vernietiging van deze en andere elektrische en elektronische apparatuur via de daarvoor door de landelijke of plaatselijke overheid aangewezen inzamelingskanalen. De juiste vernietiging en recycling van deze apparatuur voorkomt mogelijke negatieve gevolgen voor het milieu en de gezondheid. Voor meer informatie over het vernietigen van uw oude apparatuur neemt u contact op met de plaatselijke autoriteiten of afvalverwerkingsdienst, of met de winkel waar u het product hebt aangeschaft.

Norsk (Norwegian) - Miljøinformasjon for kunder i EU

EU-direktiv 2002/96/EF krever at utstyr med følgende symbol avbildet på produktet og/eller pakningen, ikke må kastes sammen med usortert avfall. Symbolet indikerer at dette produktet skal håndteres atskilt fra ordinær avfallsinnsamling for husholdningsavfall. Det er ditt ansvar å kvitte deg med dette produktet og annet elektrisk og elektronisk avfall via egne innsamlingsordninger slik myndighetene eller kommunene bestemmer. Korrekt avfallshåndtering og gjenvinning vil være med på å forhindre mulige negative konsekvenser for miljø og helse. For nærmere informasjon om håndtering av det kasserte utstyret ditt, kan du ta kontakt med kommunen, en innsamlingsstasjon for avfall eller butikken der du kjøpte produktet.

Polski (Polish) - Informacja dla klientów w Unii Europejskiej o przepisach dotyczących ochrony środowiska

Dyrektywa Europejska 2002/96/EC wymaga, aby sprzęt oznaczony symbolem znajdującym się na produkcie i/lub jego opakowaniu nie był wyrzucany razem z innymi niesortowanymi odpadami komunalnymi. Symbol ten wskazuje, że produkt nie powinien być usuwany razem ze zwykłymi odpadami z gospodarstw domowych. Na Państwu spoczywa obowiązek wyrzucania tego i innych urządzeń elektrycznych oraz elektronicznych w punktach odbioru wyznaczonych przez władze krajowe lub lokalne. Pozbywanie się sprzętu we właściwy sposób i jego recykling pomogą zapobiec potencjalnie negatywnym konsekwencjom dla środowiska i zdrowia ludzkiego. W celu uzyskania szczegółowych informacji o usuwaniu starego sprzętu, prosimy zwrócić się do lokalnych władz, służb oczyszczania miasta lub sklepu, w którym produkt został nabyty.

Português (Portuguese) - Informação ambiental para clientes da União Europeia

A Directiva Europeia 2002/96/CE exige que o equipamento que exibe este símbolo no produto e/ou na sua embalagem não seja eliminado junto com os resíduos municipais não separados. O símbolo indica que este produto deve ser eliminado separadamente dos resíduos domésticos regulares. É da sua responsabilidade eliminar este e qualquer outro equipamento eléctrico e electrónico através das instalações de recolha designadas pelas autoridades governamentais ou locais. A eliminação e reciclagem correctas ajudarão a prevenir as consequências negativas para o ambiente e para a saúde humana. Para obter informações mais detalhadas sobre a forma de eliminar o seu equipamento antigo, contacte as autoridades locais, os serviços de eliminação de resíduos ou o estabelecimento comercial onde adquiriu o produto.

Română (Romanian) - Informații de mediu pentru clienții din Uniunea Europeană

Directiva europeană 2002/96/CE impune ca echipamentele care prezintă acest simbol pe produs şi/sau pe ambalajul acestuia să nu fie casate împreună cu gunoiul menajer municipal. Simbolul indică faptul că acest produs trebuie să fie casat separat de gunoiul menajer obişnuit. Este responsabilitatea dvs. să casați acest produs şi alte echipamente electrice şi electronice prin intermediul unităților de colectare special desemnate de guvern sau de autoritățile locale. Casarea şi reciclarea corecte vor ajuta la prevenirea potențialelor consecințe negative asupra sănătății mediului şi a oamenilor. Pentru mai multe informații detaliate cu privire la casarea acestui echipament vechi, contactați autoritățile locale, serviciul de salubrizare sau magazinul de la care ați achiziționat produsul.

Slovenčina (Slovak) - Informácie o ochrane životného prostredia pre zákazníkov v Európskej únii

Podľa európskej smernice 2002/96/ES zariadenie s týmto symbolom na produkte a/alebo jeho balení nesmie byť likvidované spolu s netriedeným komunálnym odpadom. Symbol znamená, že produkt by sa mal likvidovať oddelene od bežného odpadu z domácností. Je vašou povinnosťou likvidovať toto i ostatné elektrické a elektronické zariadenia prostredníctvom špecializovaných zberných zariadení určených vládou alebo miestnymi orgánmi. Správna likvidácia a recyklácia pomôže zabrániť prípadným negatívnym dopadom na životné prostredie a zdravie ľudí. Ak máte záujem o podrobnejšie informácie o likvidácii starého zariadenia, obráťte sa, prosím, na miestne orgány, organizácie zaoberajúce sa likvidáciou odpadov alebo obchod, v ktorom ste si produkt zakúpili.

Slovenščina (Slovene) - Okoljske informacije za stranke v Evropski uniji

Evropska direktiva 2002/96/ES prepoveduje odlaganje opreme s tem simbolom – na izdelku in/ali na embalaži z nesortiranimi komunalnimi odpadki. Ta simbol opozarja, da je treba izdelek zavreči ločeno od preostalih gospodinjskih odpadkov. Vaša odgovornost je, da to in preostalo električno in elektronsko opremo oddate na posebna zbirališča, ki jih določijo državne ustanove ali lokalne oblasti. S pravilnim odlaganjem in recikliranjem boste preprečili morebitne škodljive vplive na okolje in zdravje ljudi. Če želite izvedeti več o odlaganju stare opreme, se obrnite na lokalne oblasti, odlagališče odpadkov ali trgovino, kjer ste izdelek kupili.

Suomi (Finnish) - Ympäristöä koskevia tietoja EU-alueen asiakkaille

EU-direktiivi 2002/96/EY edellyttää, että jos laitteistossa on tämä symboli itse tuotteessa ja/tai sen pakkauksessa, laitteistoa ei saa hävittää lajittelemattoman yhdyskuntajätteen mukana. Symboli merkitsee sitä, että tämä tuote on hävitettävä erillään tavallisesta kotitalousjätteestä. Sinun vastuullasi on hävittää tämä elektroniikkatuote ja muut vastaavat elektroniikkatuotteet viemällä tuote tai tuotteet viranomaisten määräämään keräyspisteeseen. Laitteiston oikea hävittäminen estää mahdolliset kielteiset vaikutukset ympäristöön ja ihmisten terveyteen. Lisätietoja vanhan laitteiston oikeasta hävitystavasta saa paikallisilta viranomaisilta, jätteenhävityspalvelusta tai siitä myymälästä, josta ostit tuotteen.

Svenska (Swedish) - Miljöinformation för kunder i Europeiska unionen

Det europeiska direktivet 2002/96/EC kräver att utrustning med denna symbol på produkten och/eller förpackningen inte får kastas med osorterat kommunalt avfall. Symbolen visar att denna produkt bör kastas efter att den avskiljts från vanligt hushållsavfall. Det faller på ditt ansvar att kasta denna och annan elektrisk och elektronisk utrustning på fastställda insamlingsplatser utsedda av regeringen eller lokala myndigheter. Korrekt kassering och återvinning skyddar mot eventuella negativa konsekvenser för miljön och personhälsa. För mer detaljerad information om kassering av din gamla utrustning kontaktar du dina lokala myndigheter, avfallshanteringen eller butiken där du köpte produkten.

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END OF SCHEDULE 1

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The implementation was written so as to conform with Netscape's SSL.

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